

Fig. 1

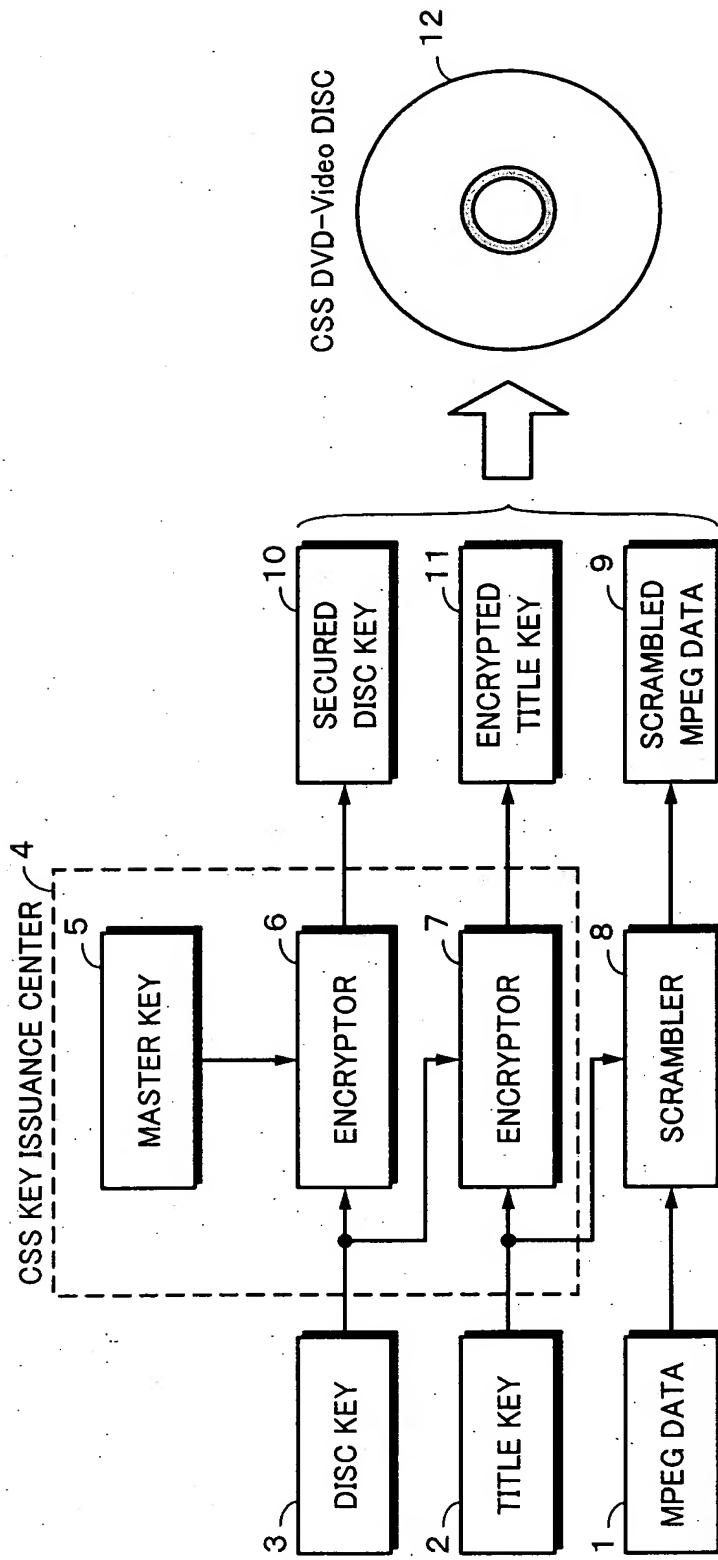


Fig. 2

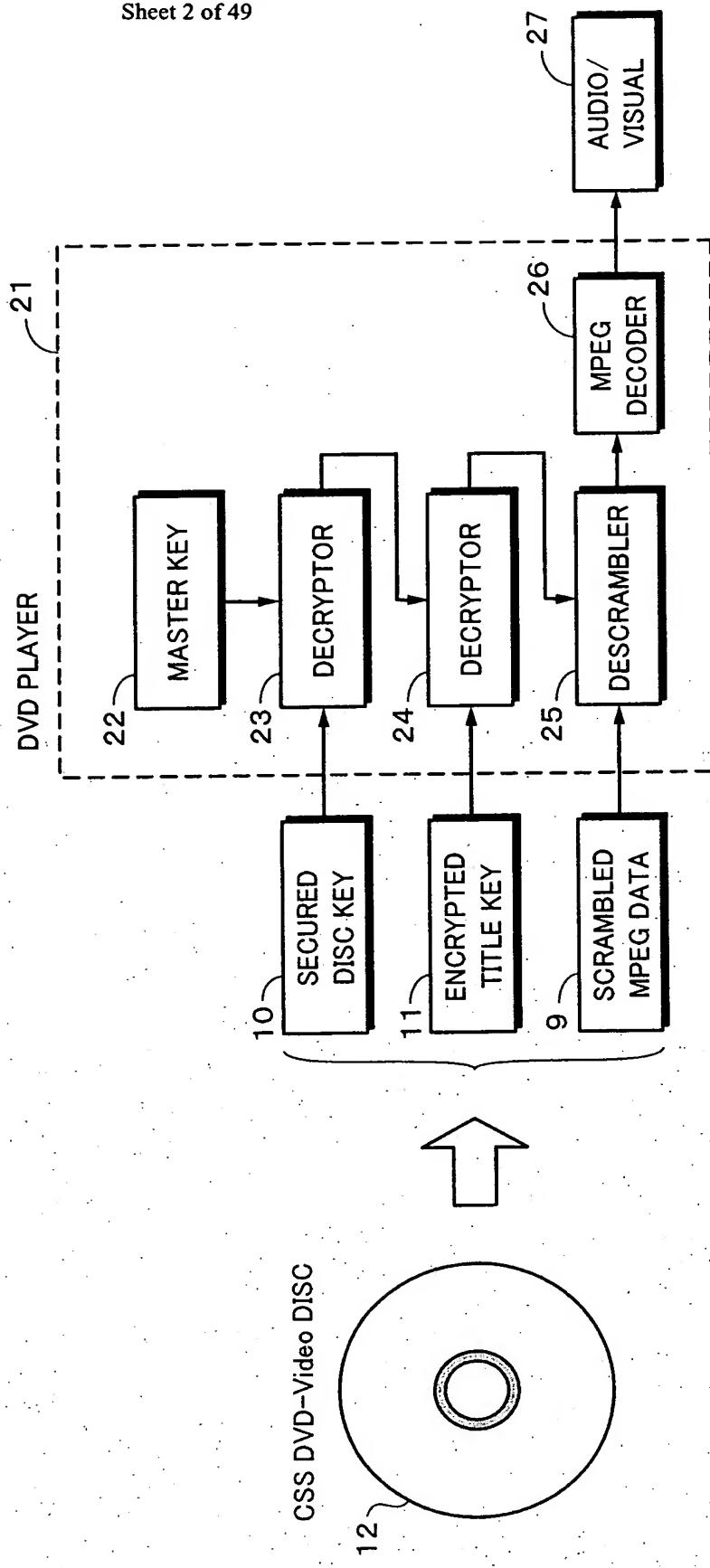


Fig. 3

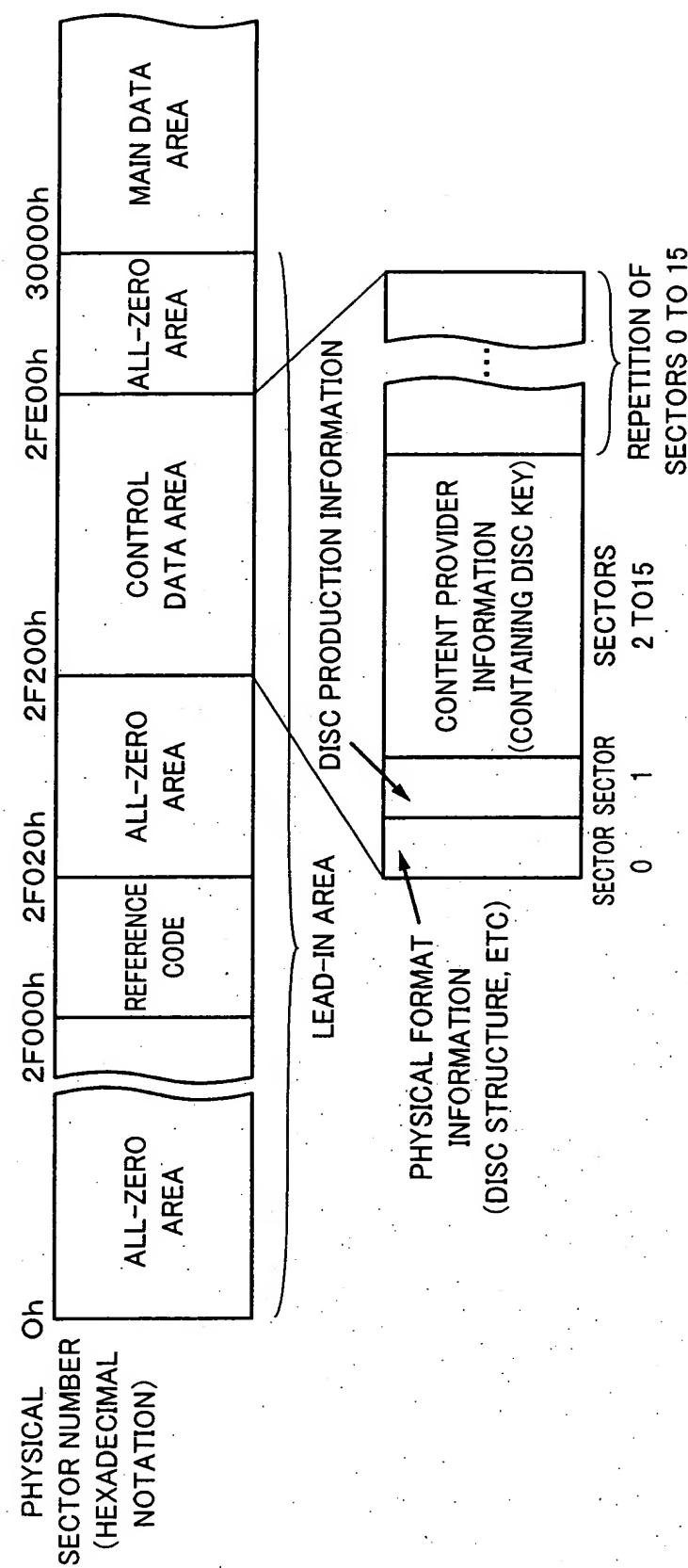


Fig. 4

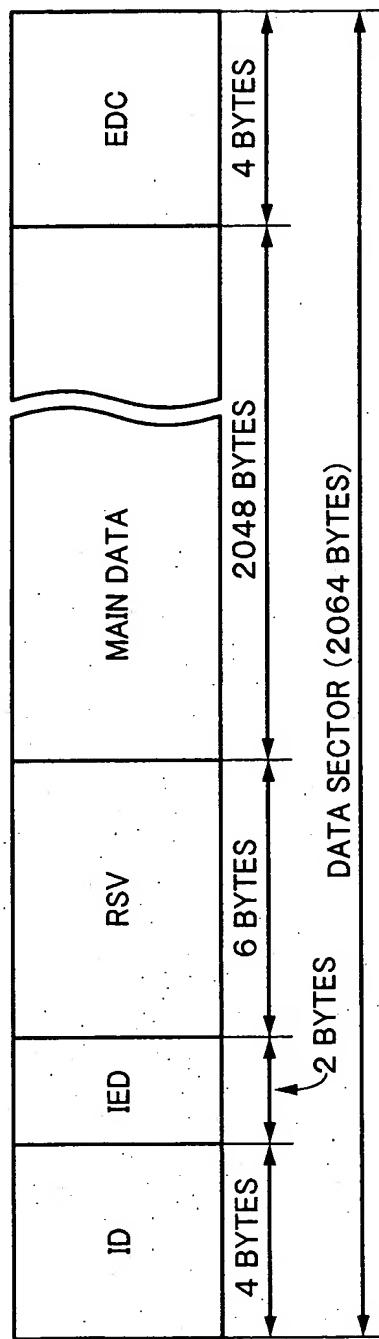


Fig. 5

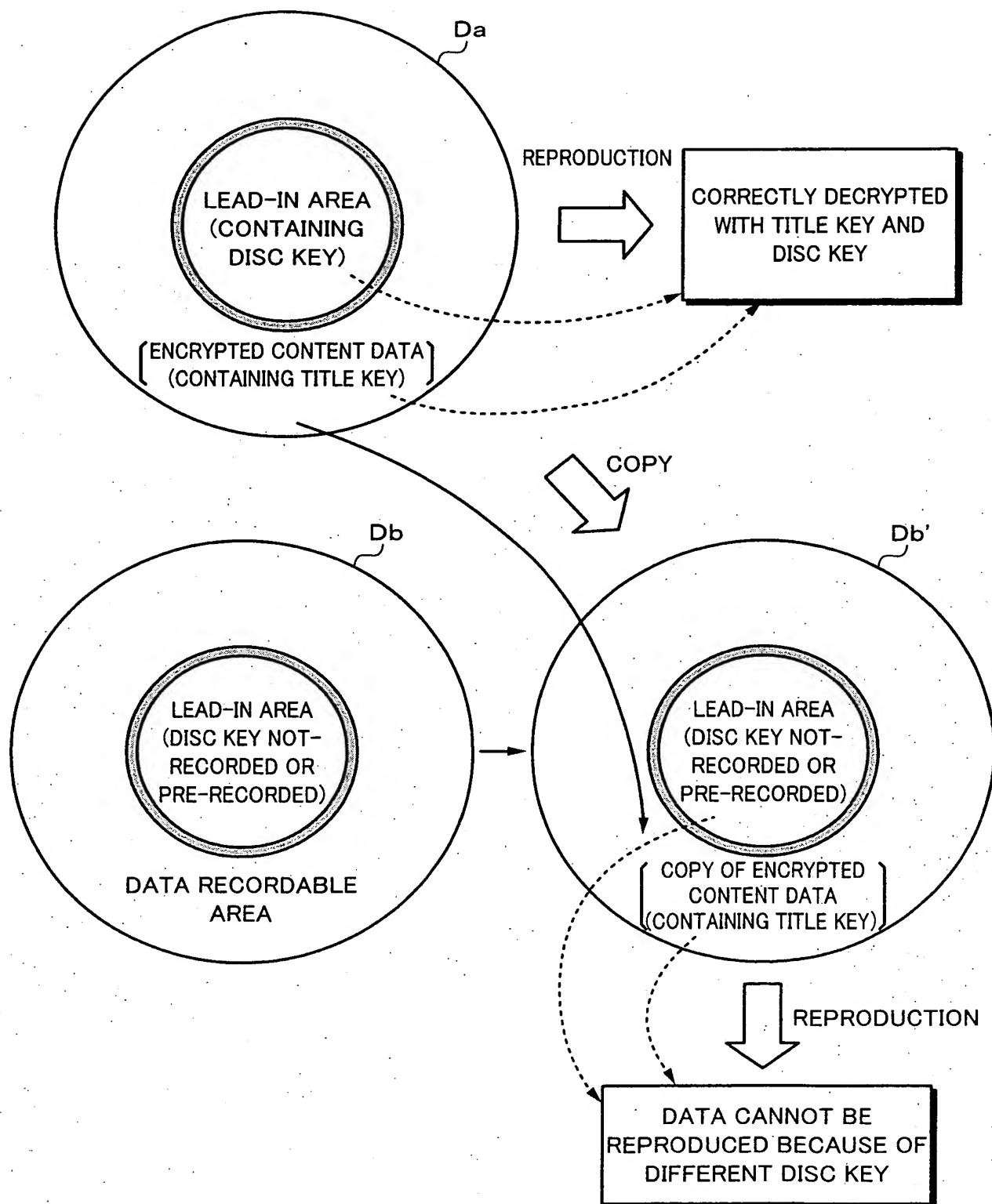


Fig. 6

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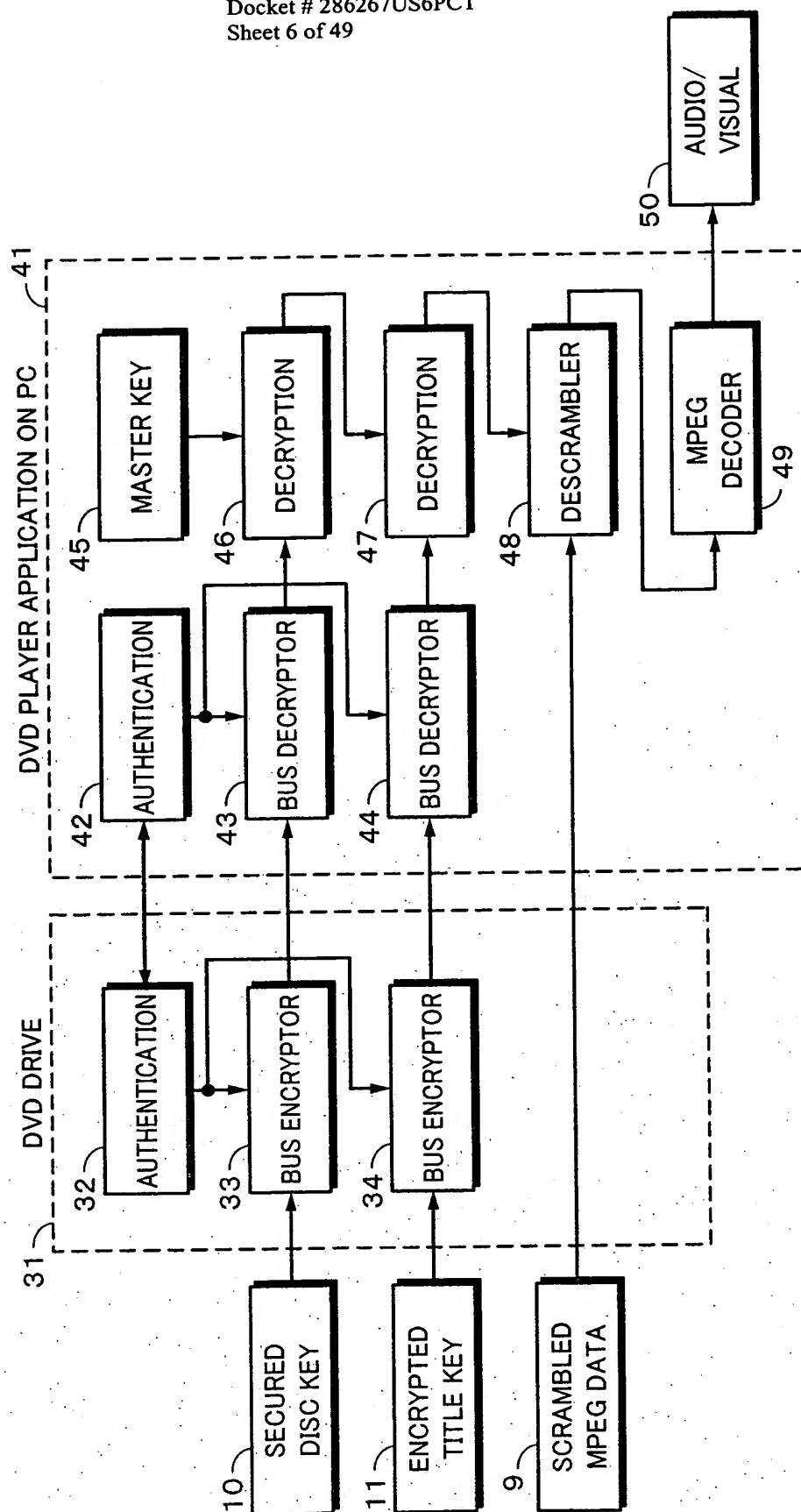


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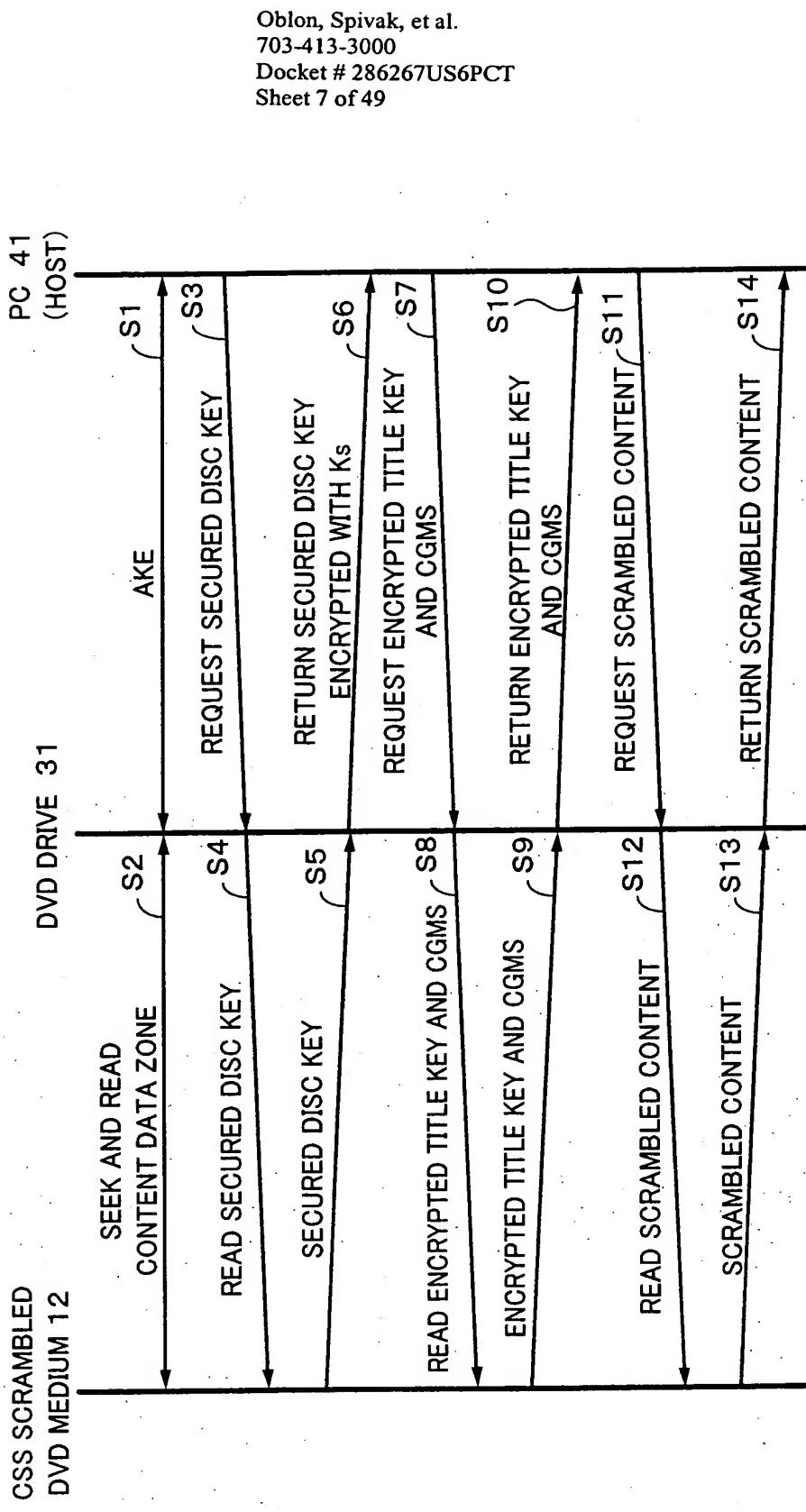


Fig. 8

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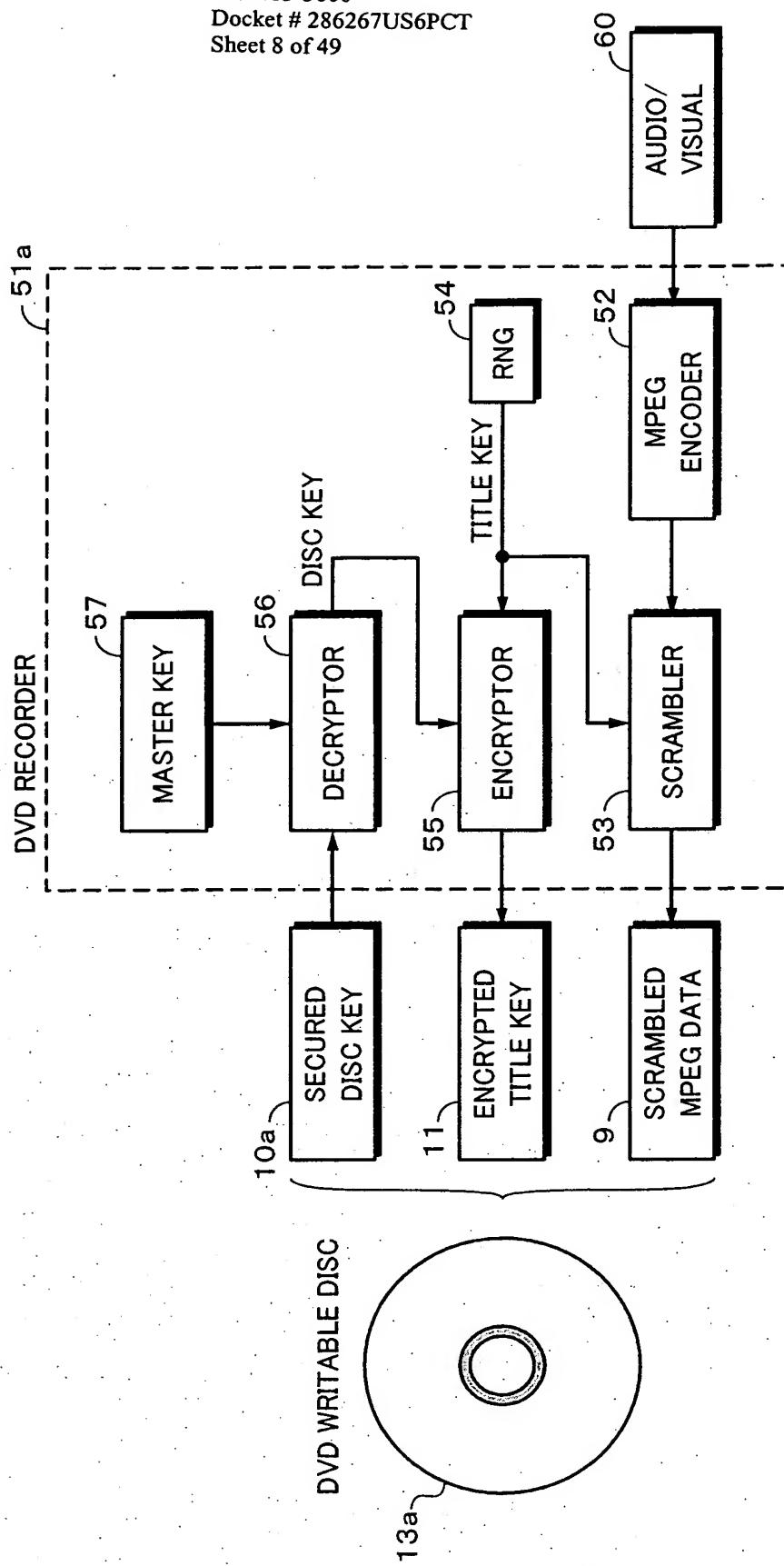


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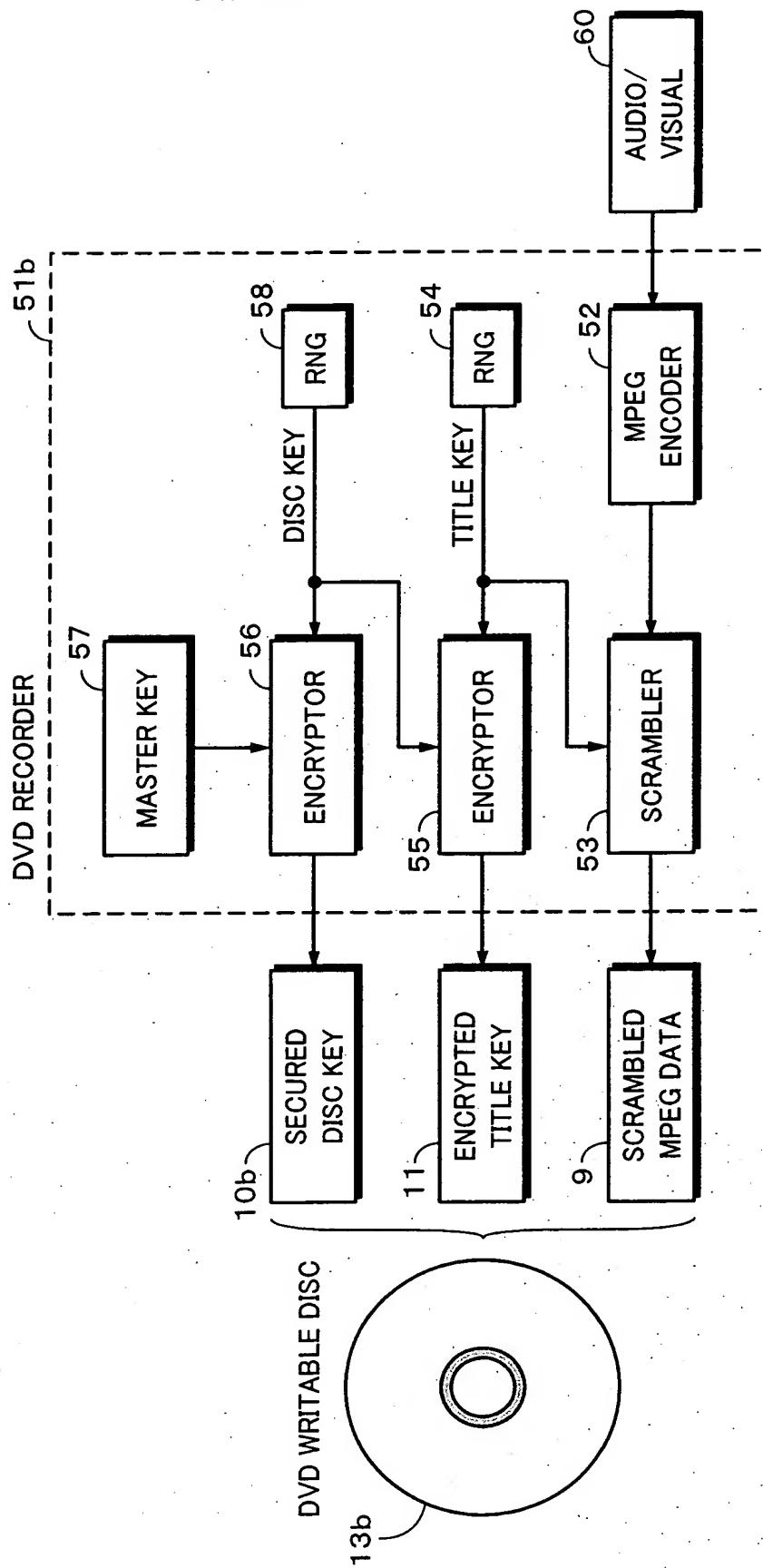


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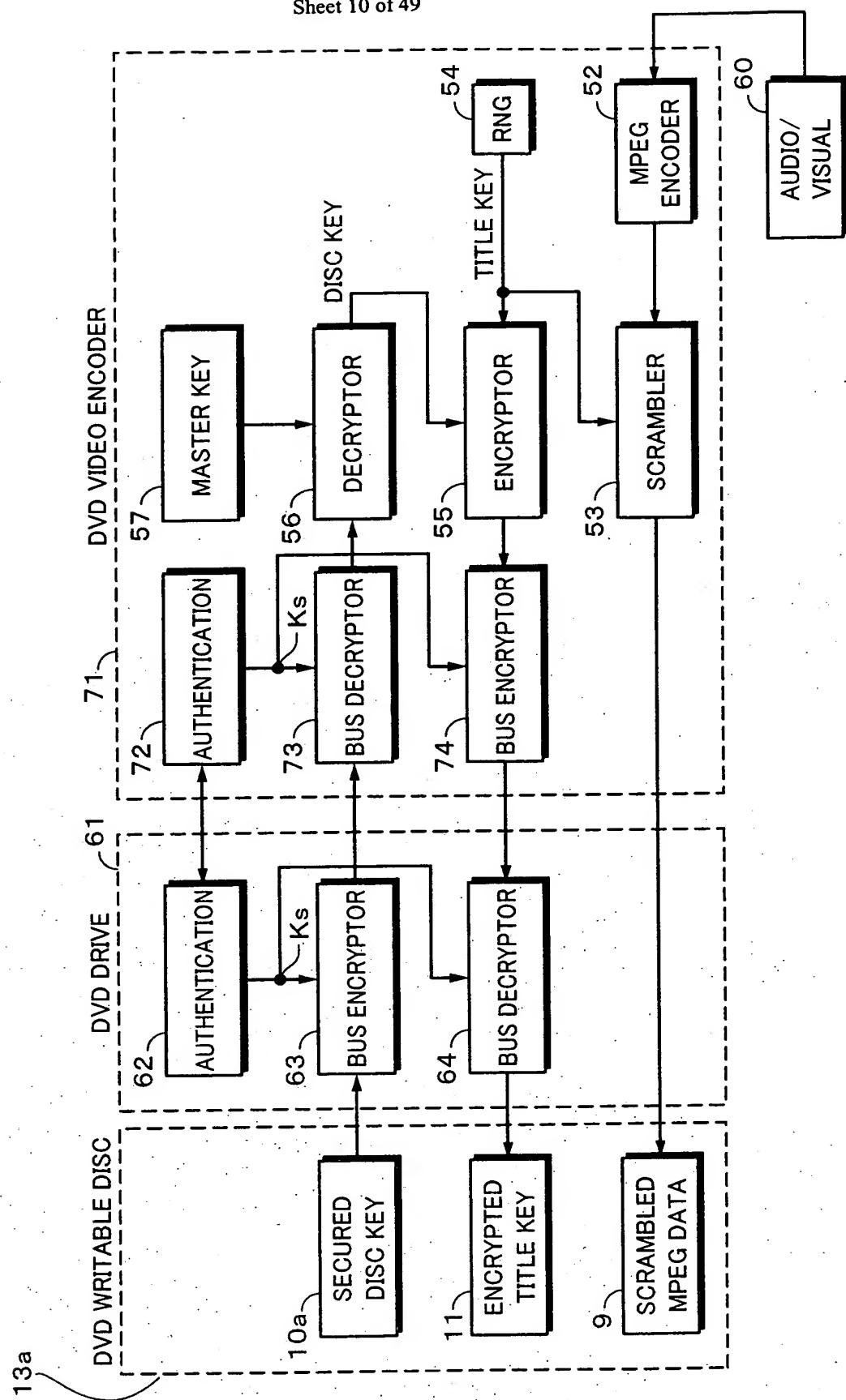


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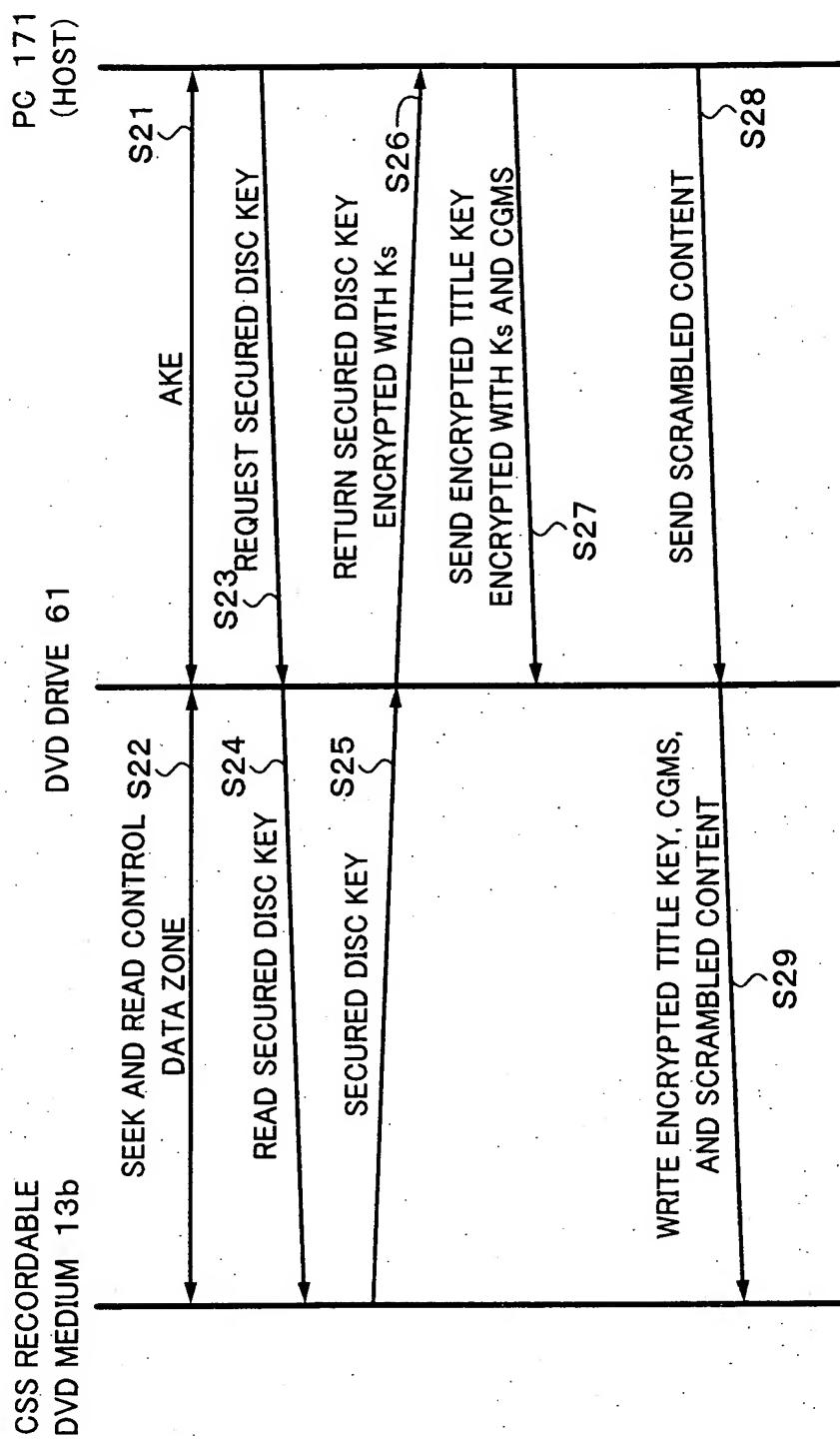


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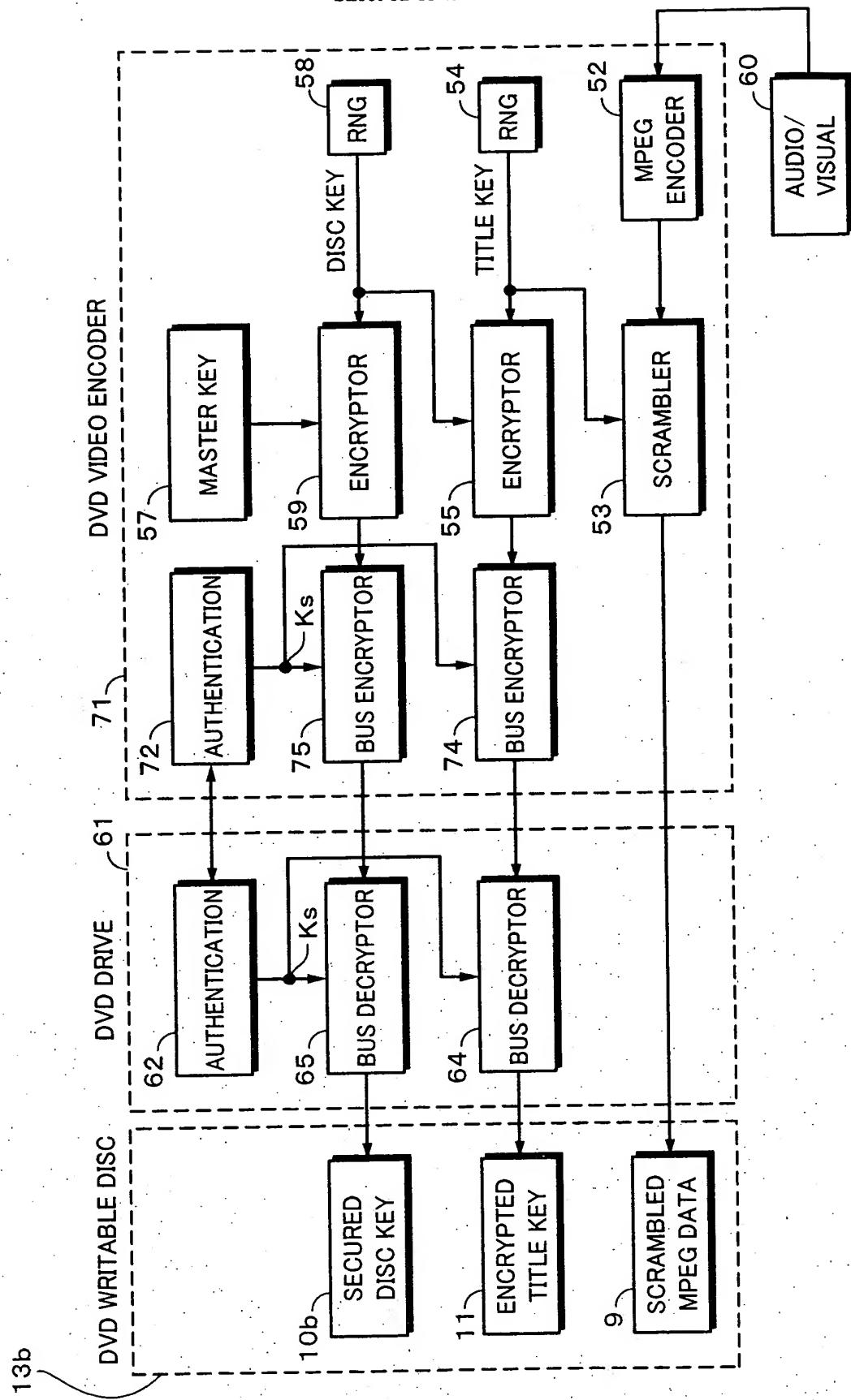


Fig. 13

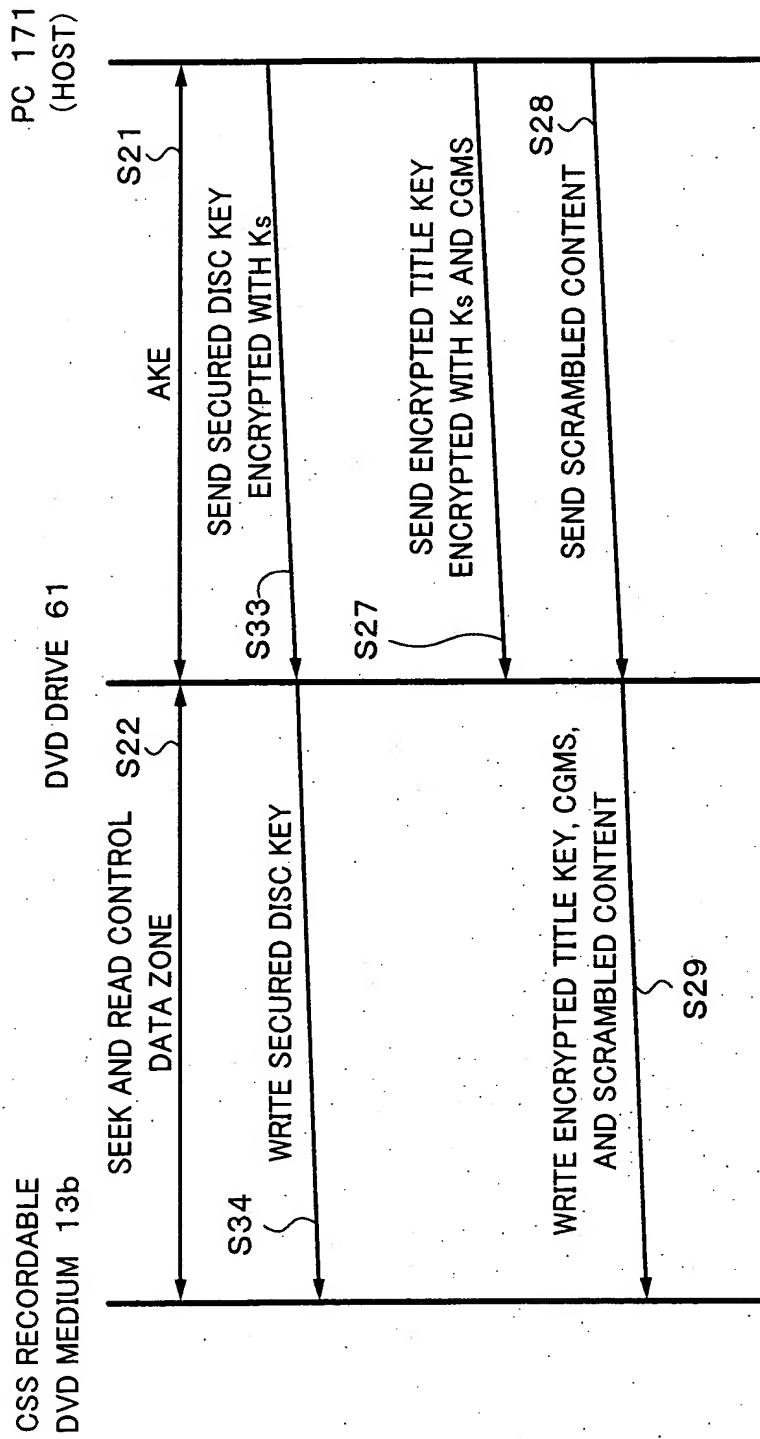


Fig. 14

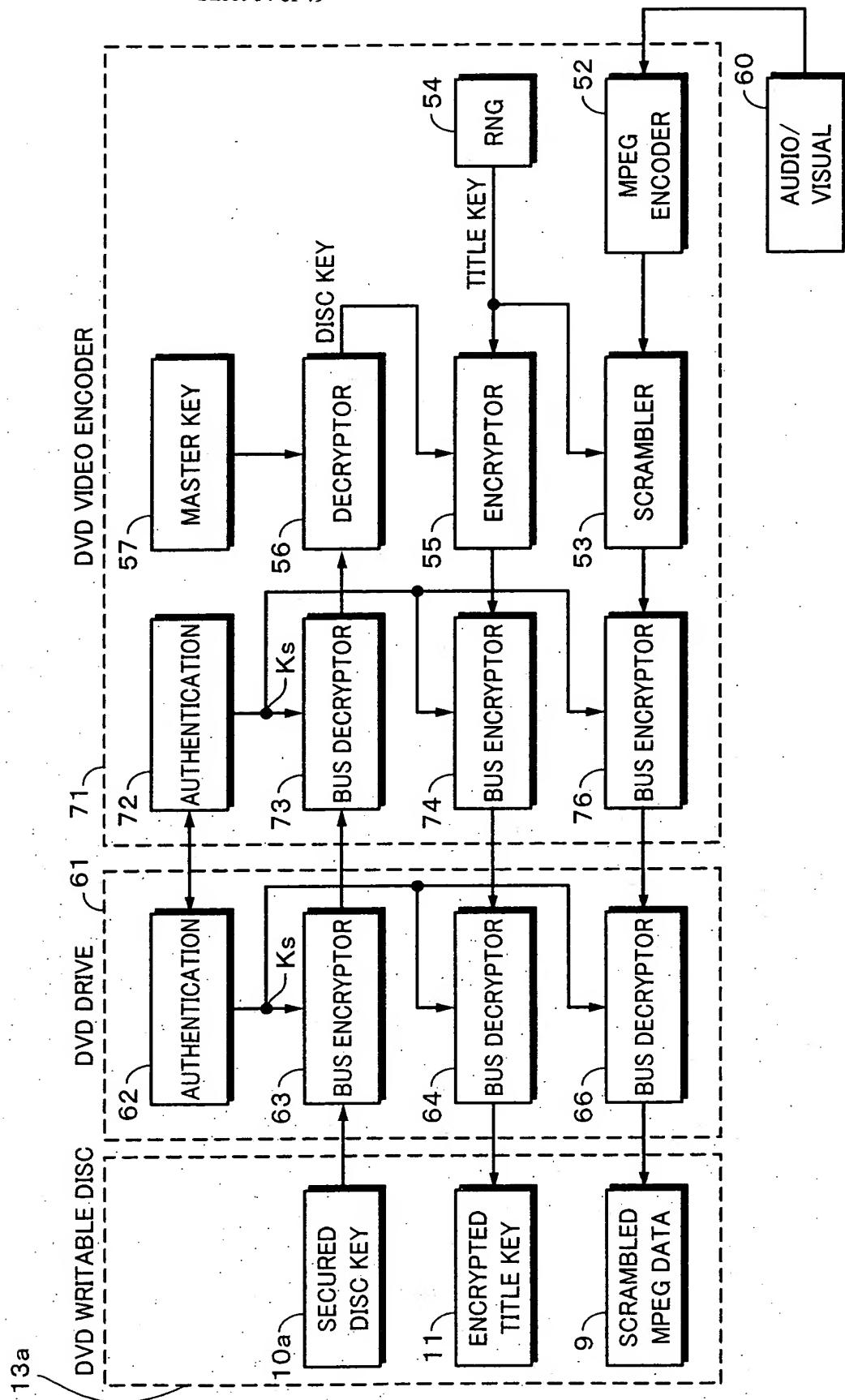


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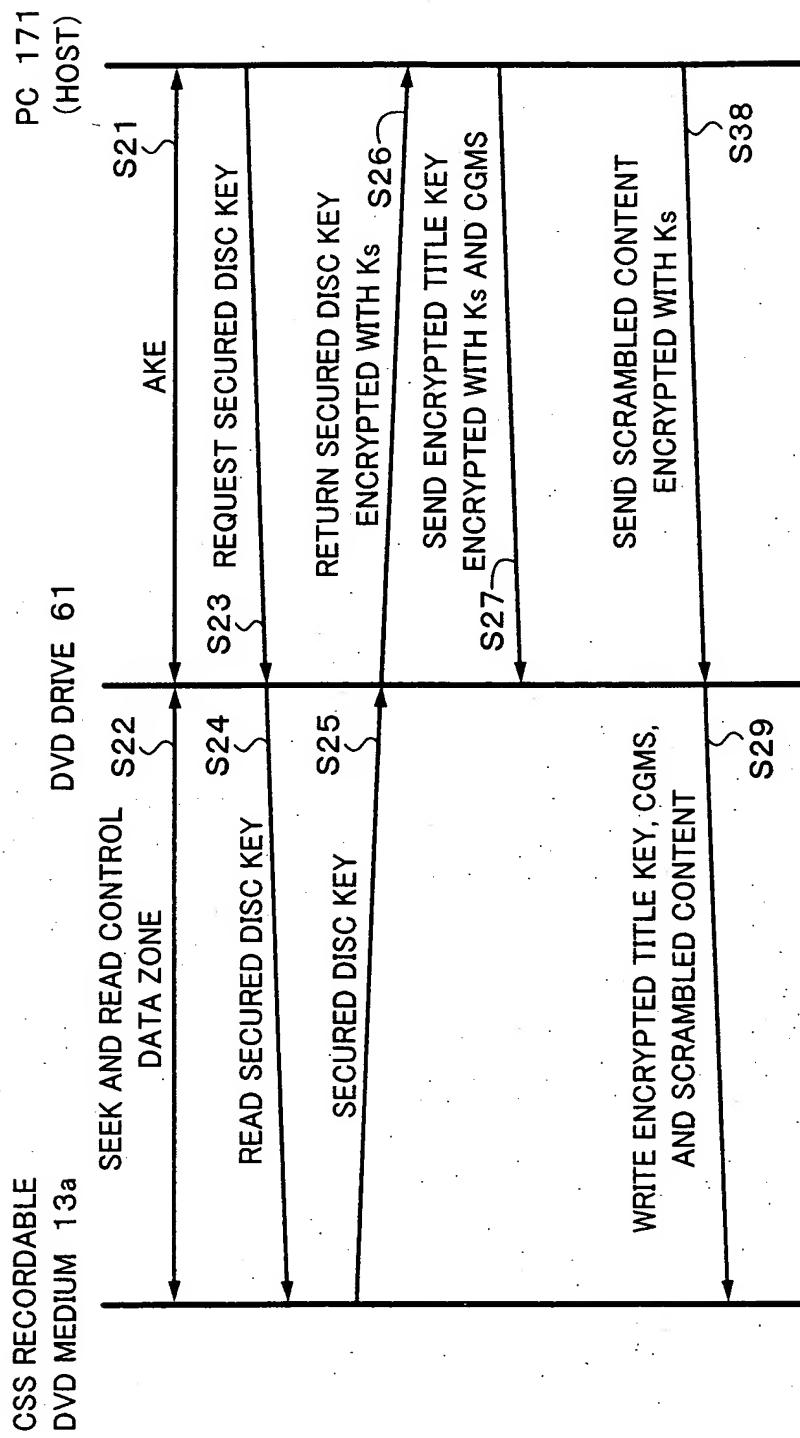


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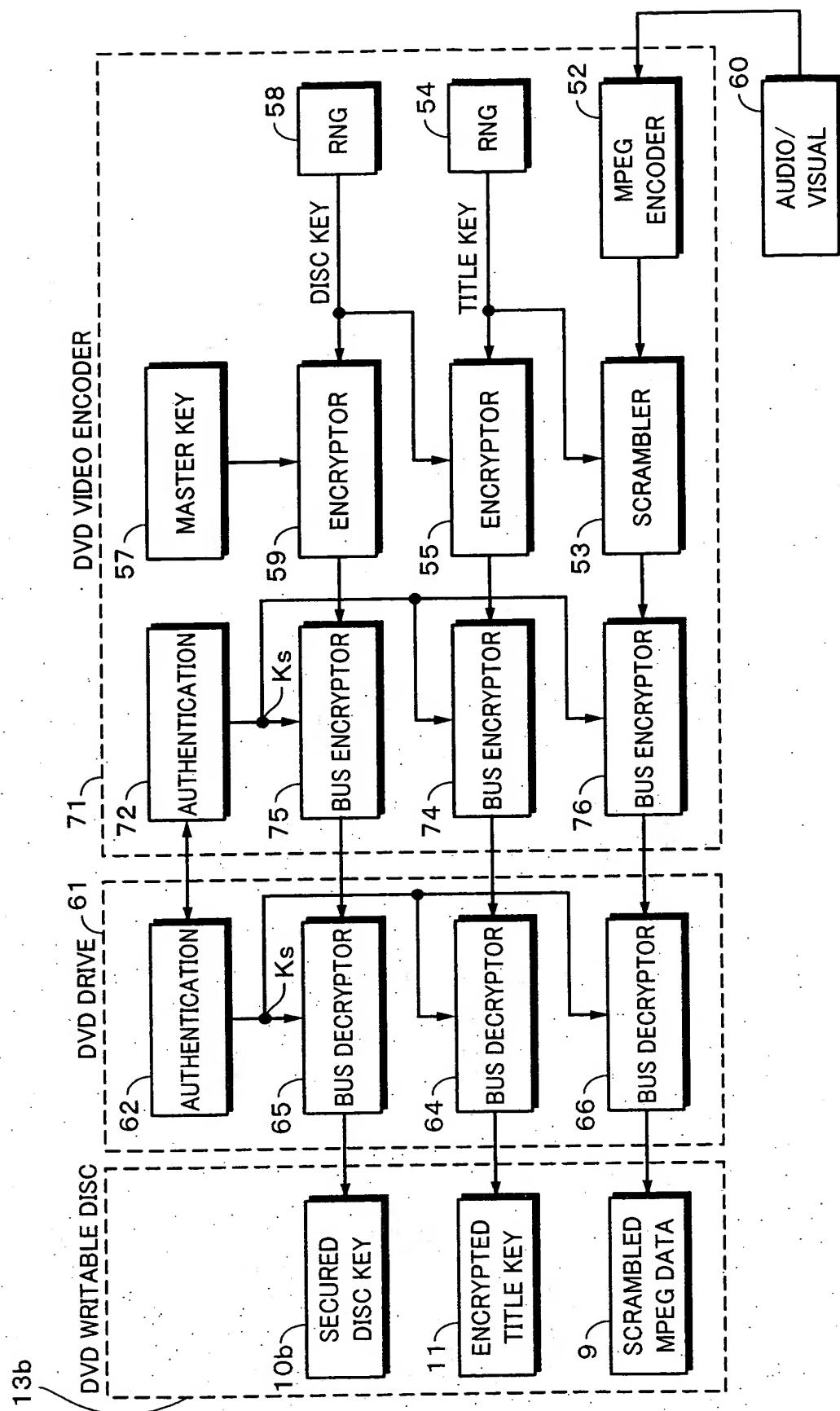


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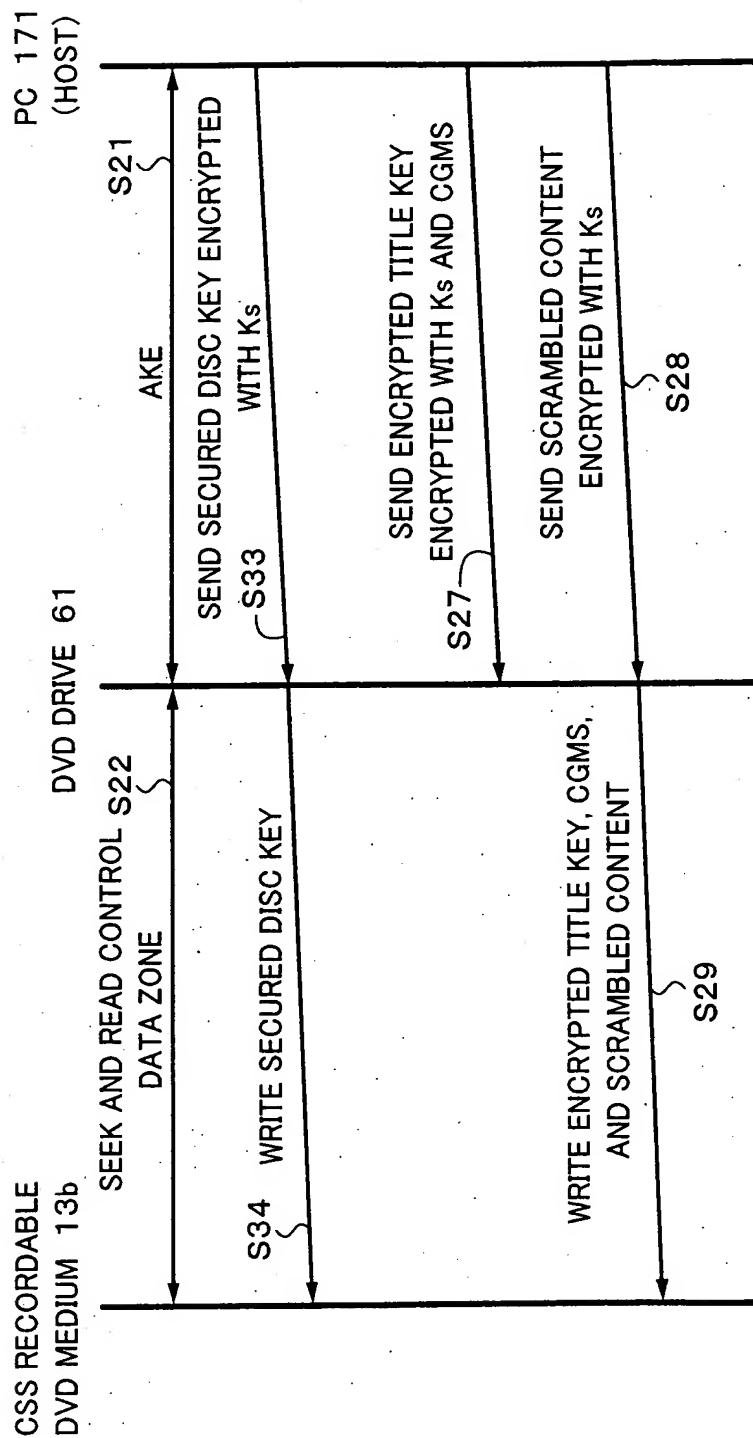


Fig. 18

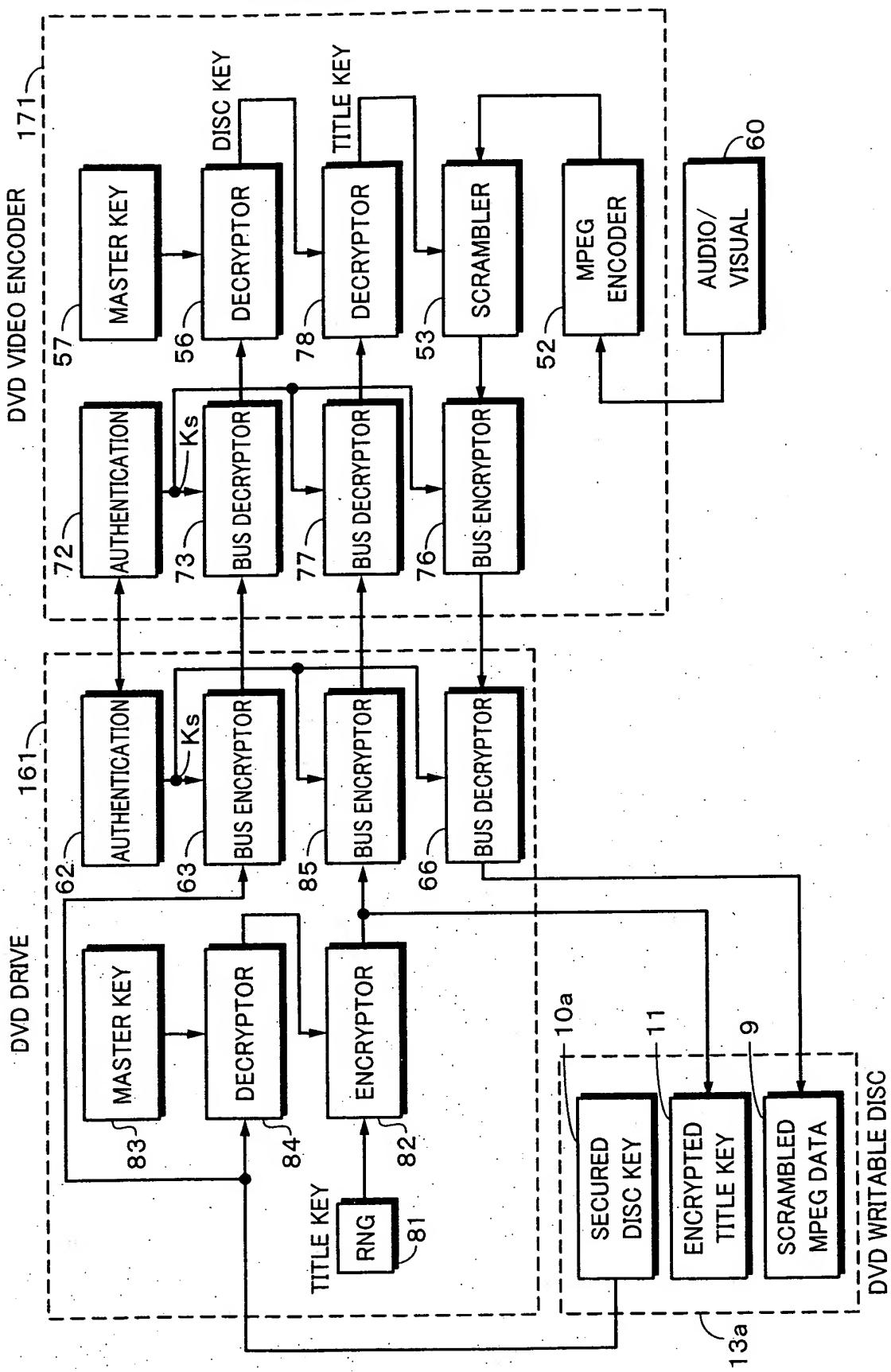


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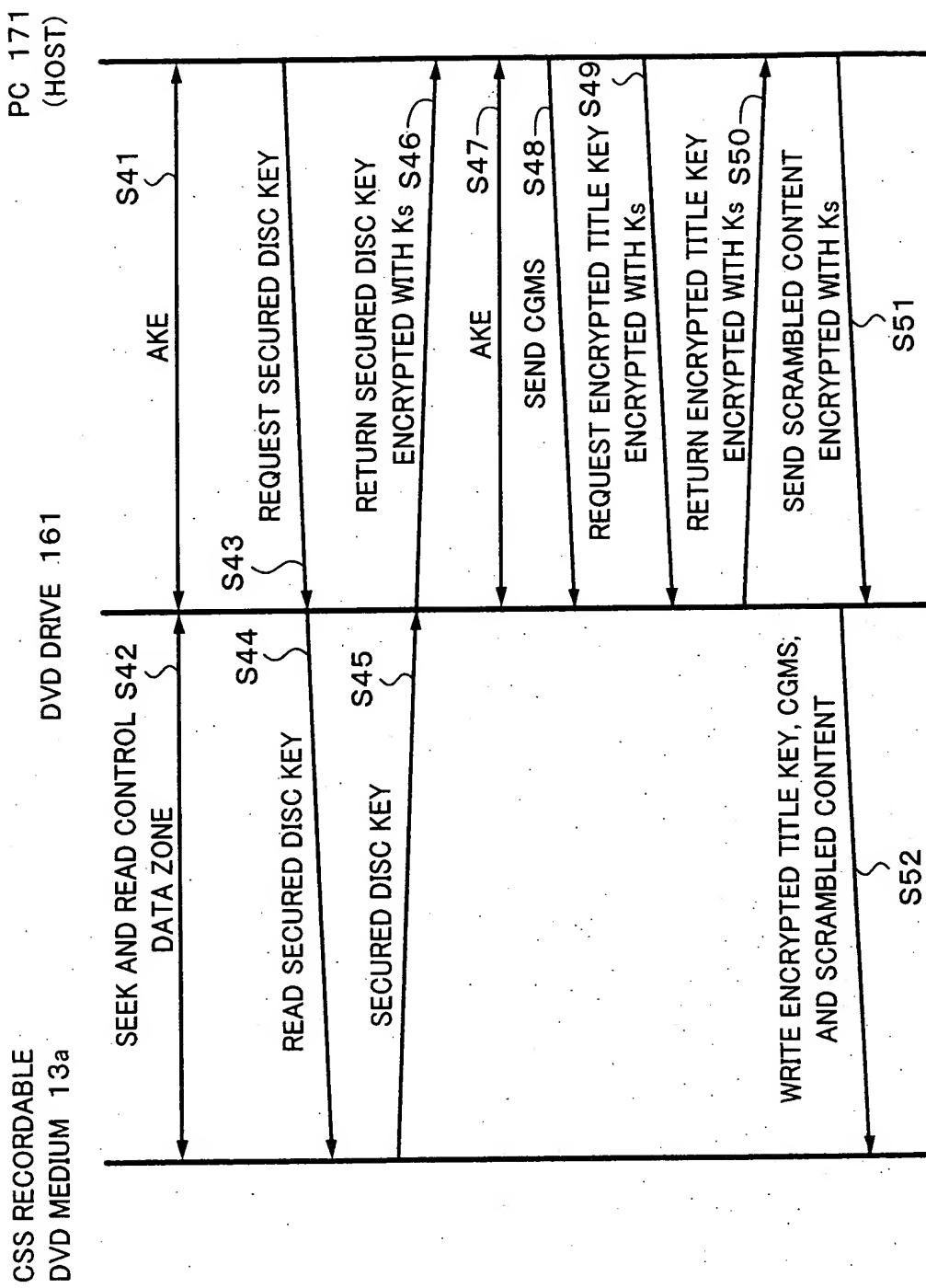


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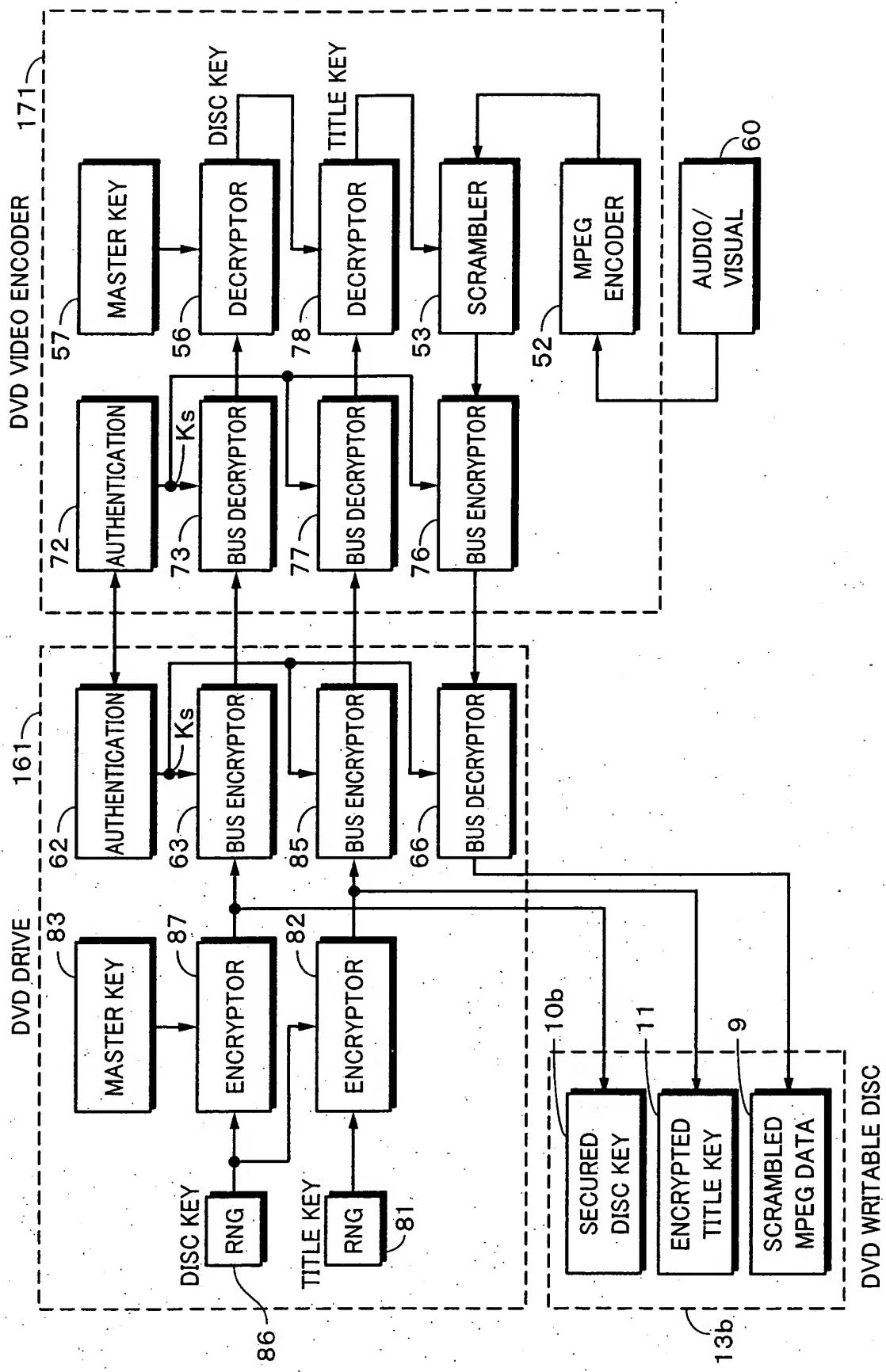


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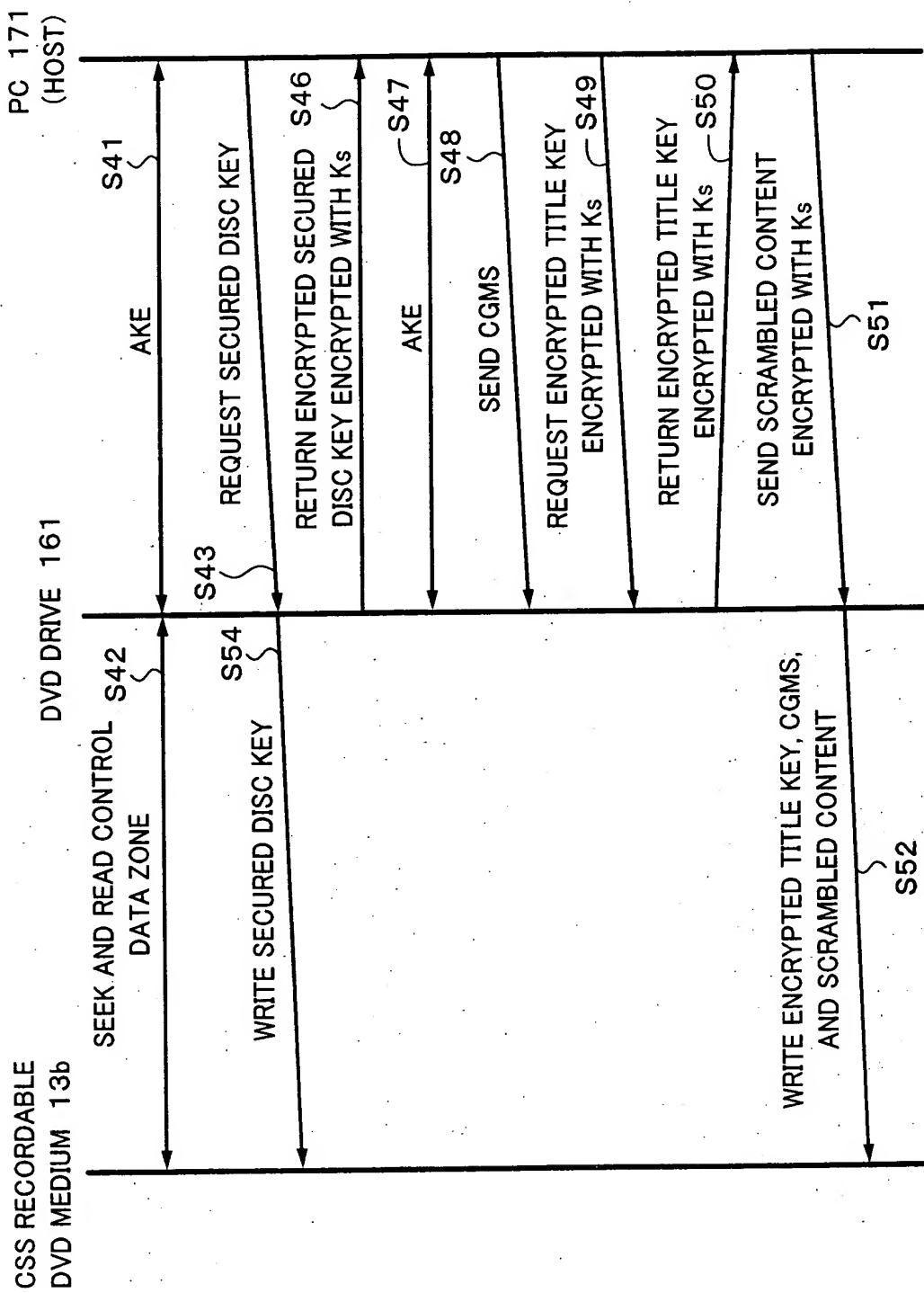


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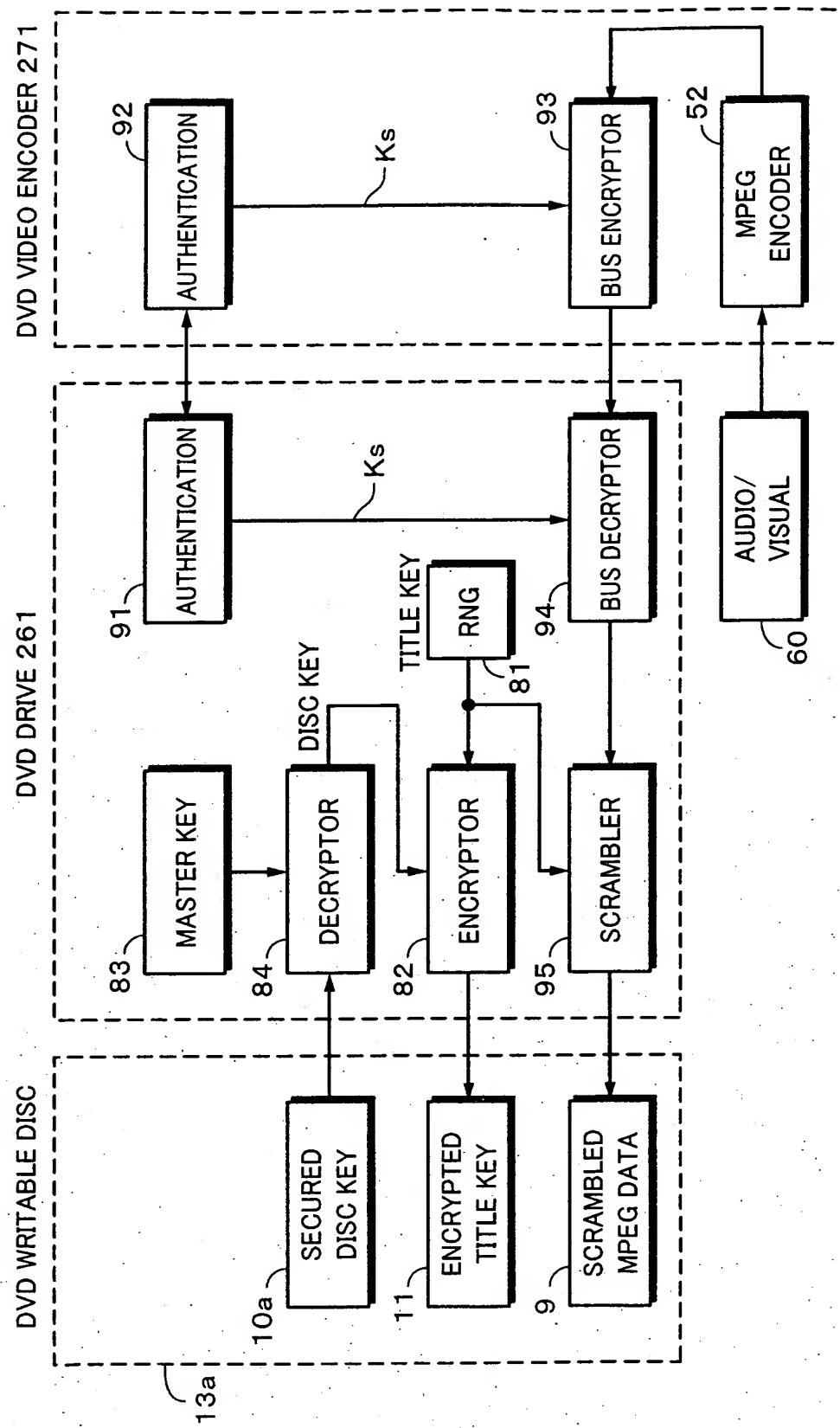


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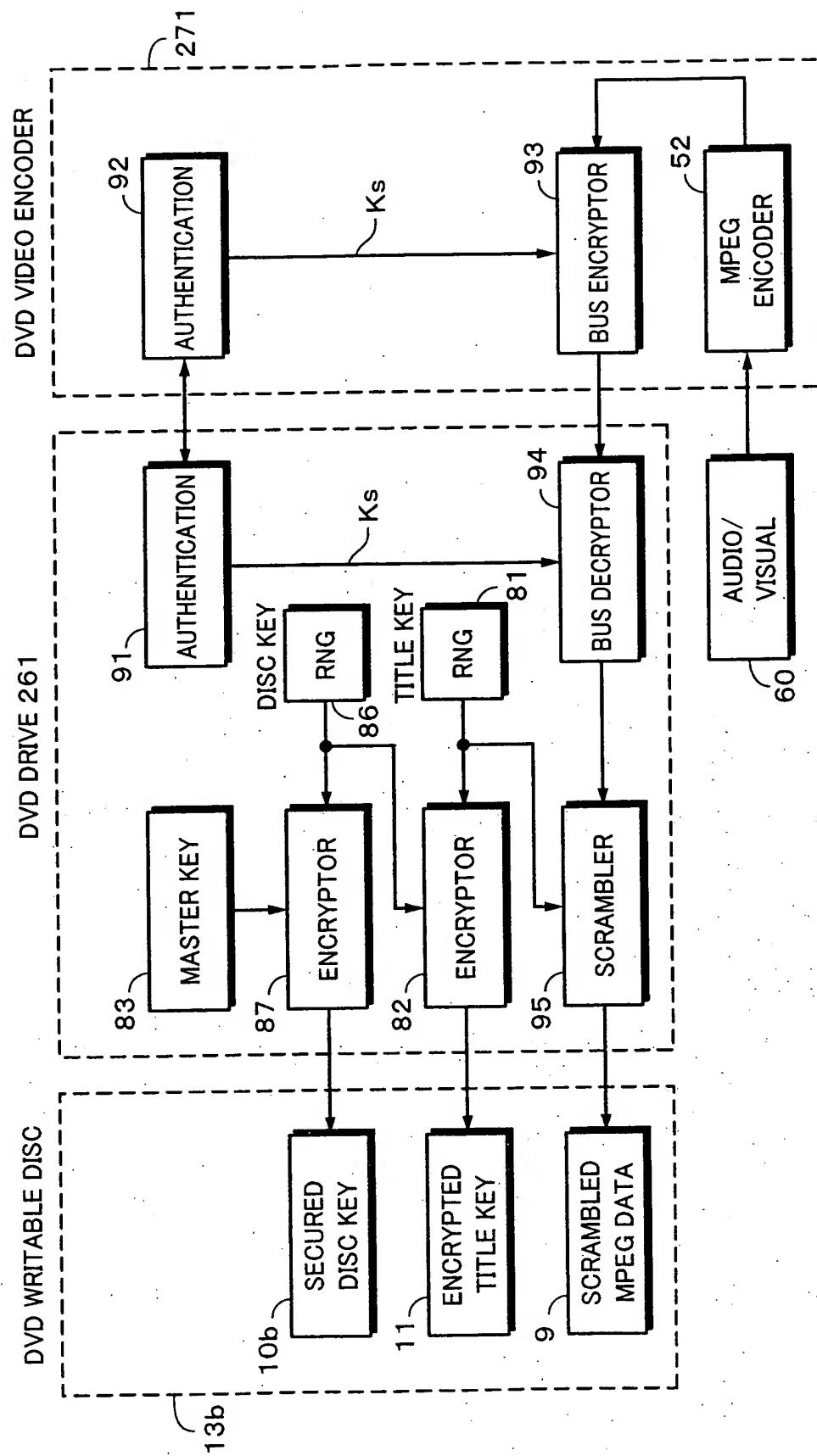


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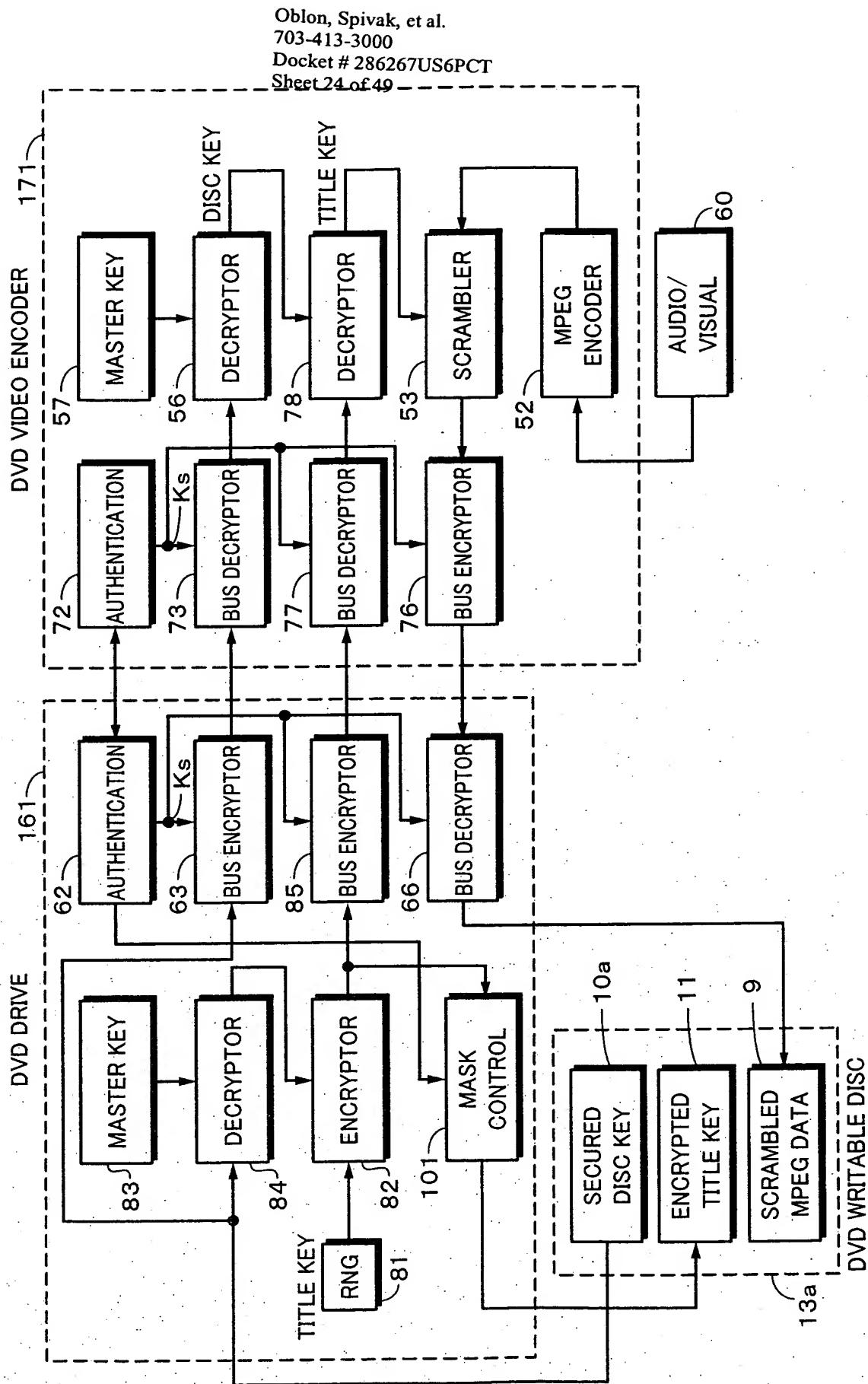


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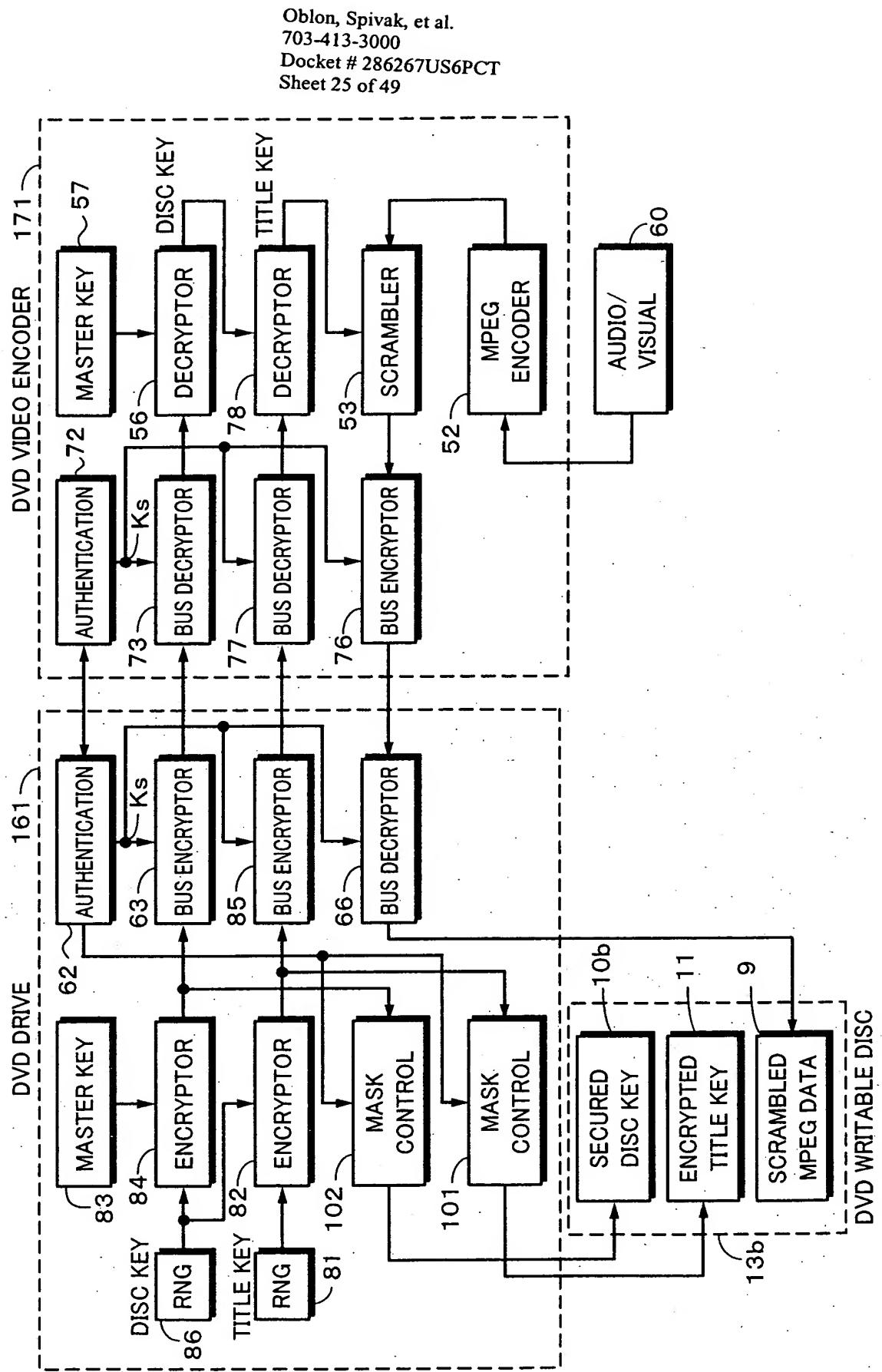


Fig. 26

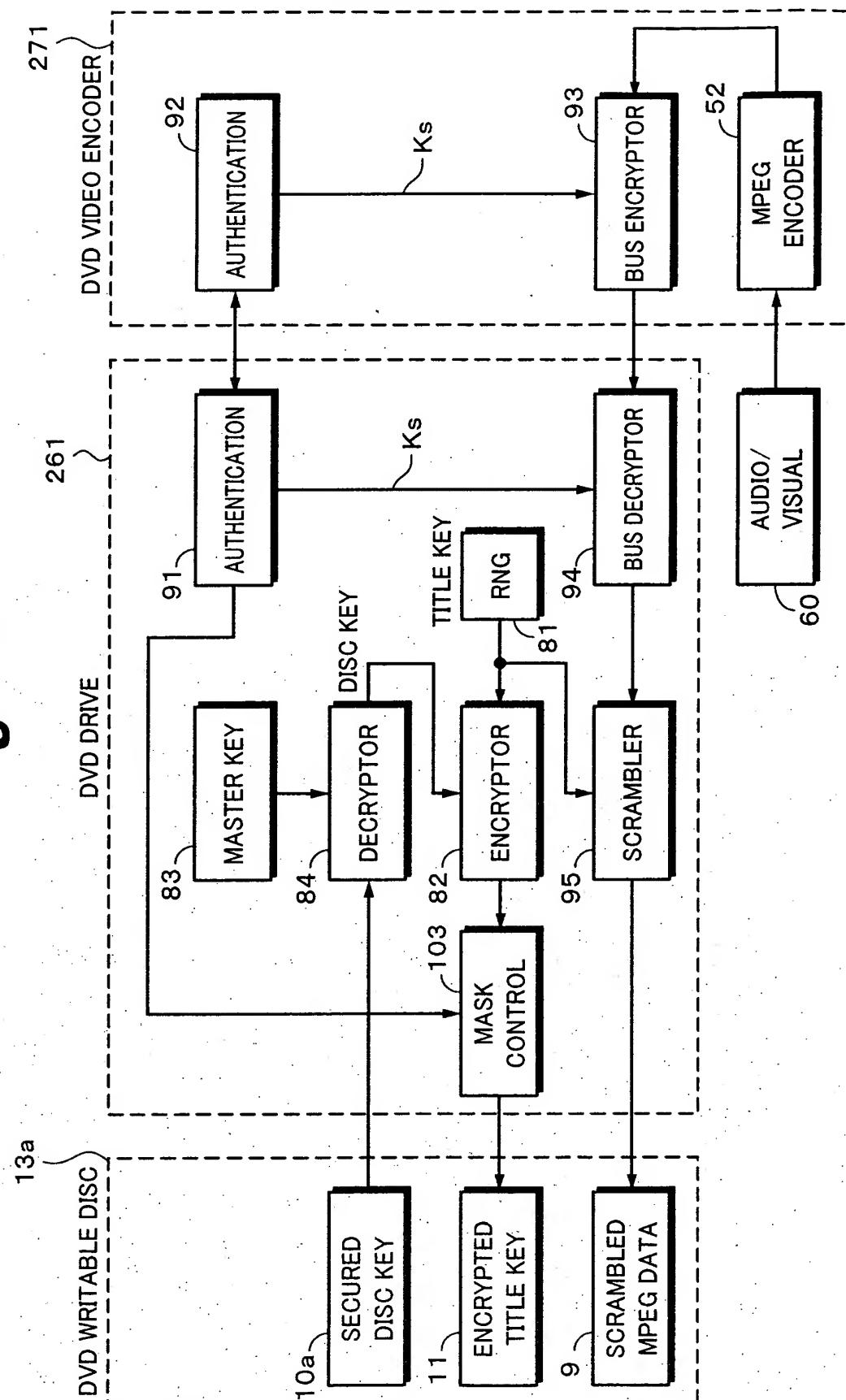


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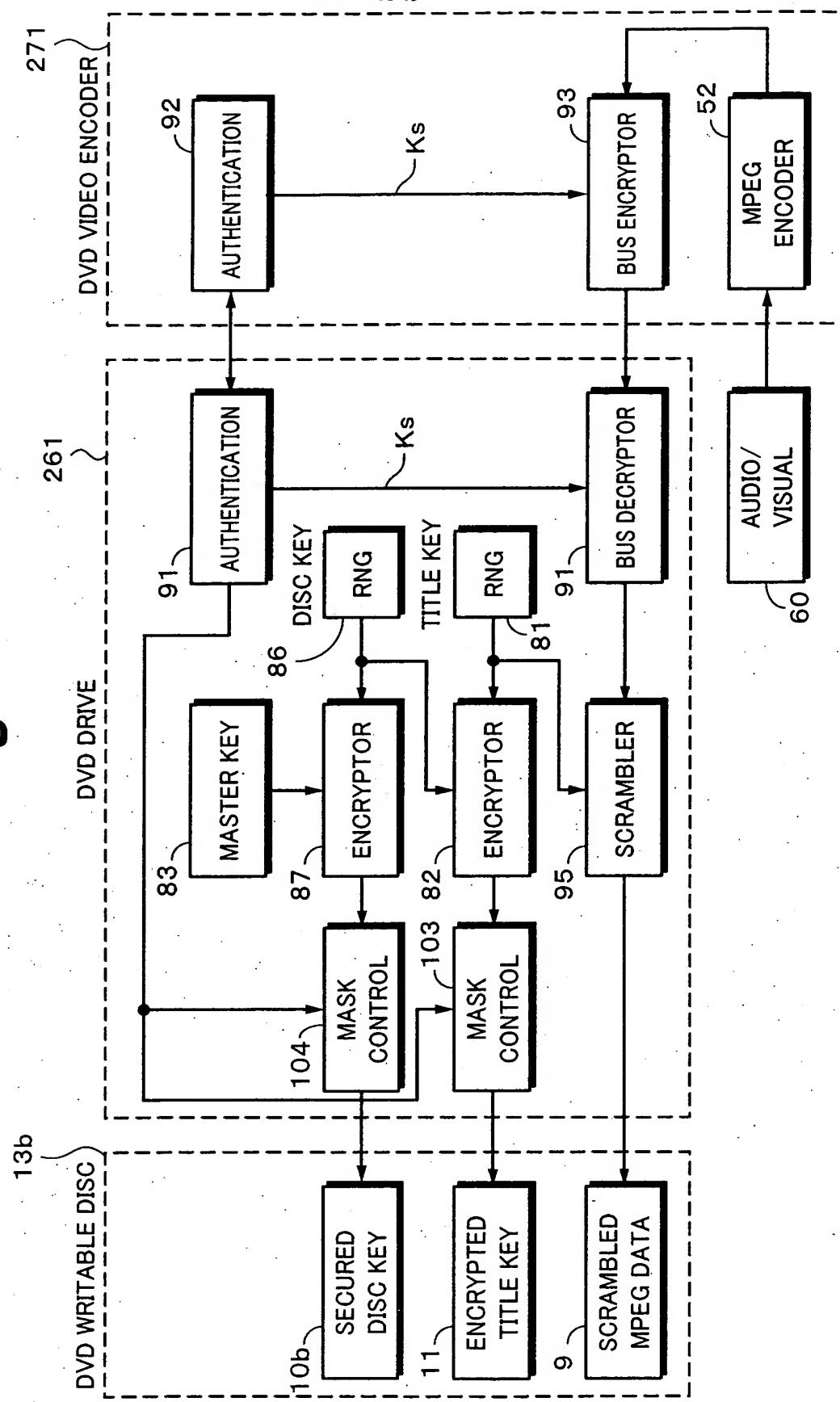


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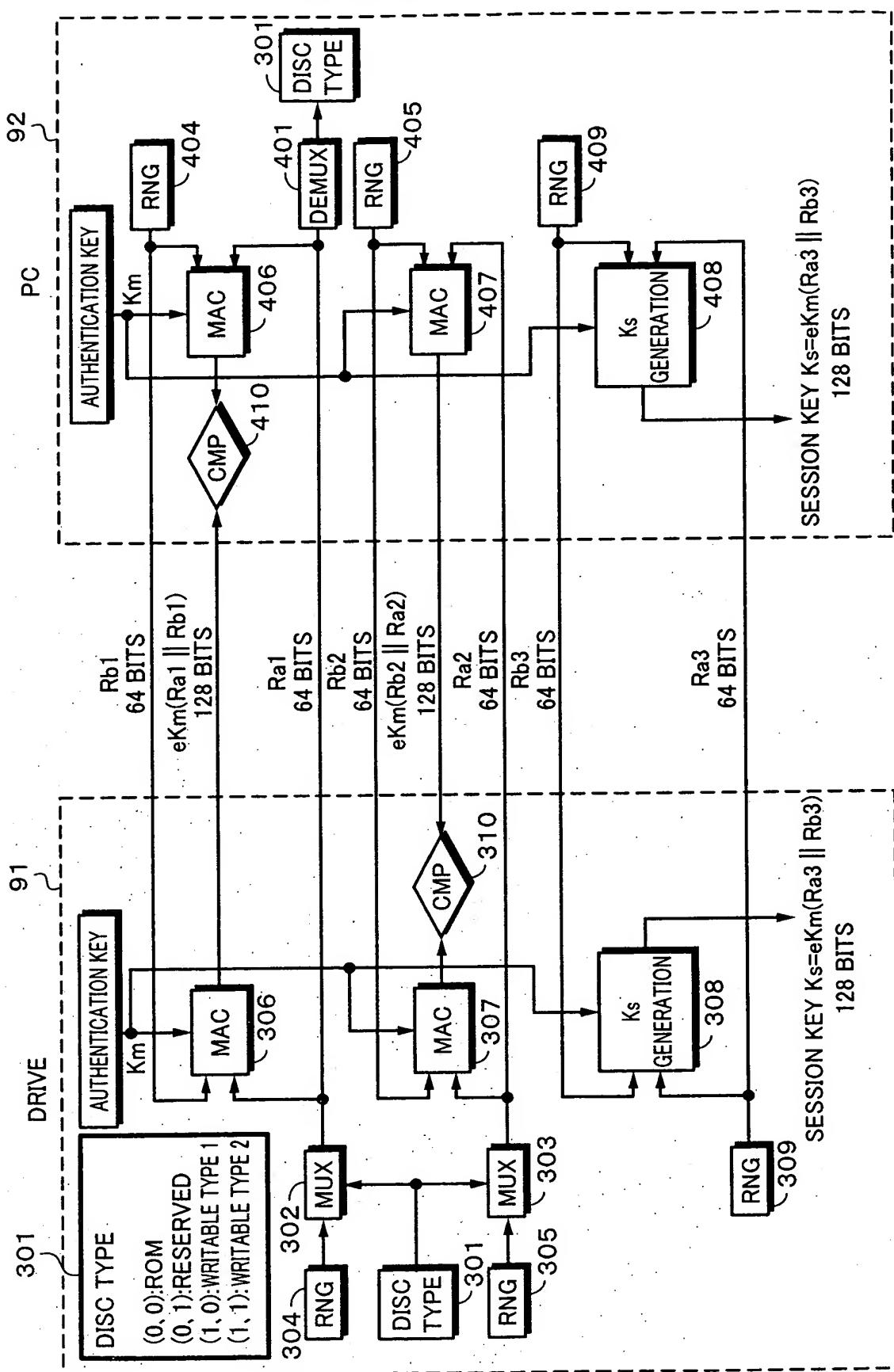


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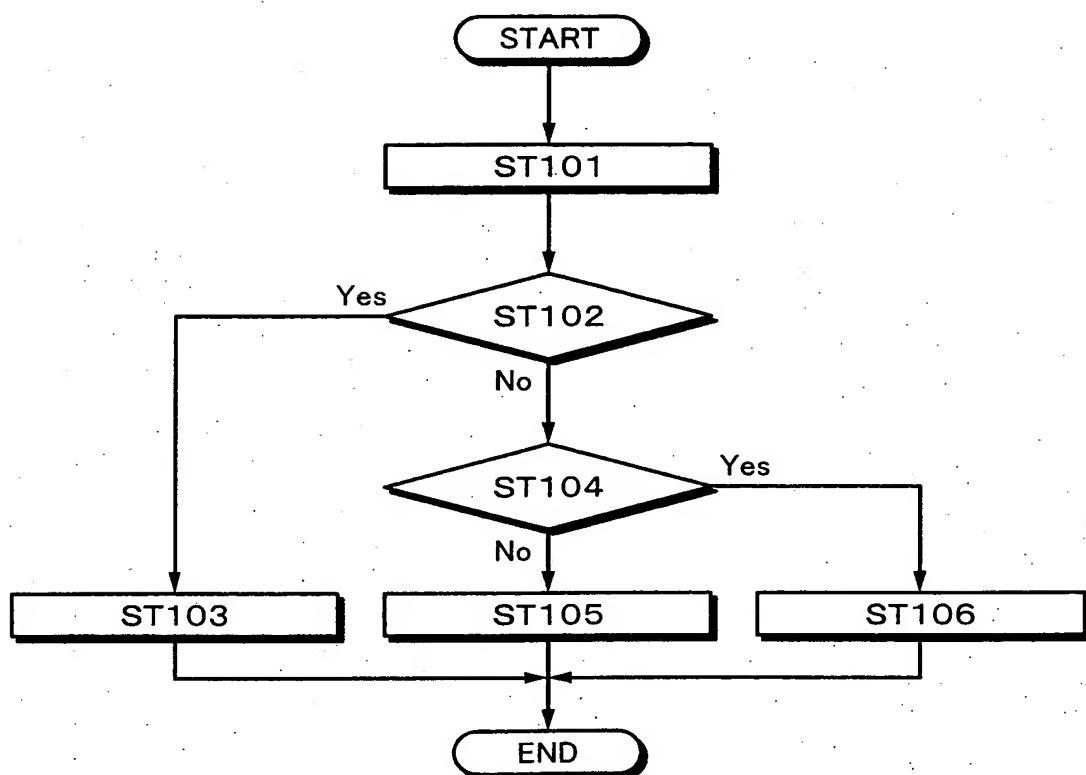


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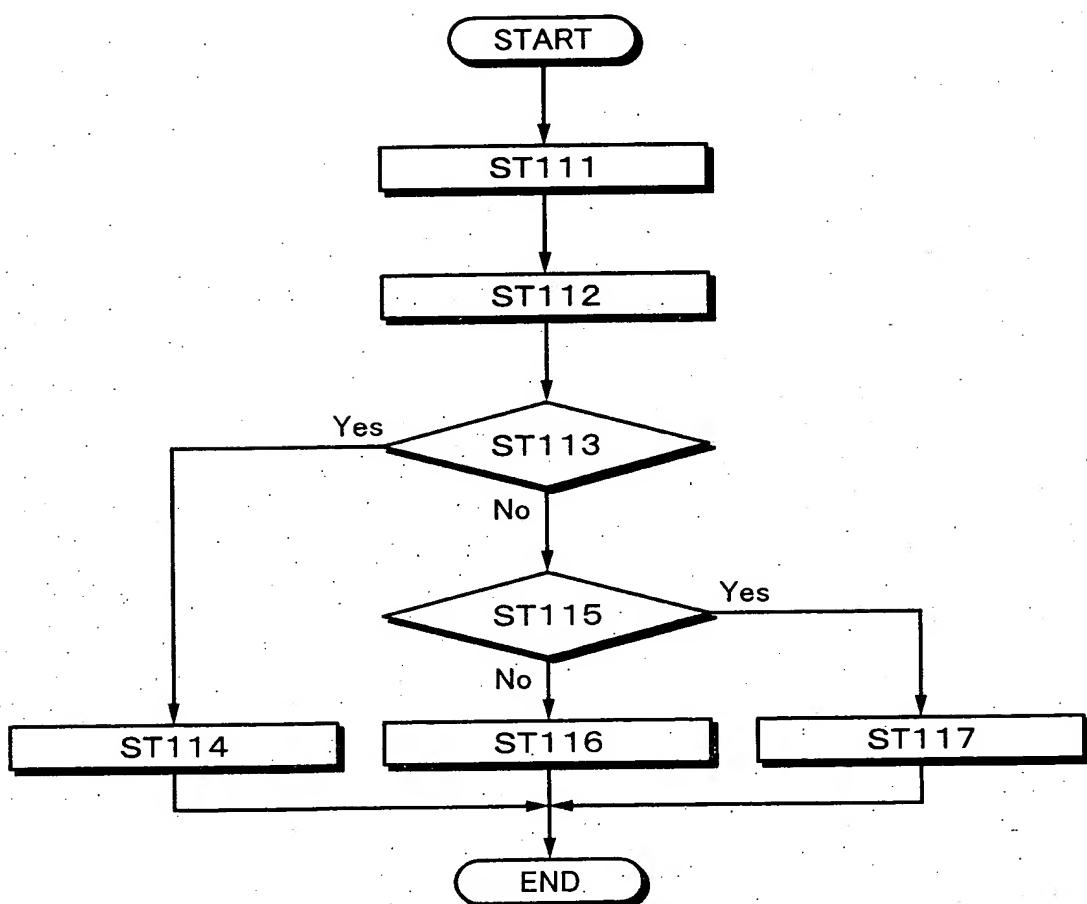


Fig. 31

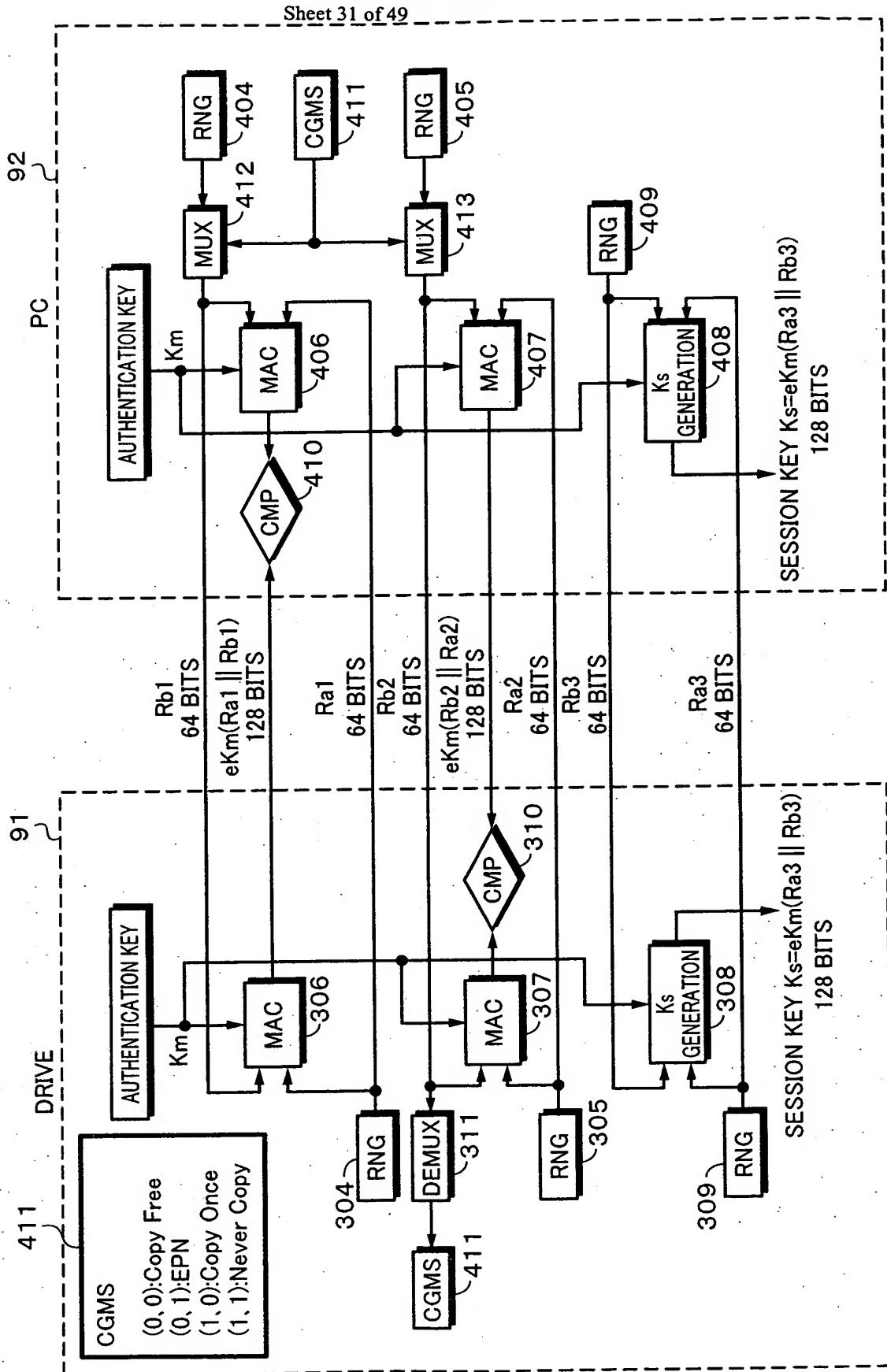


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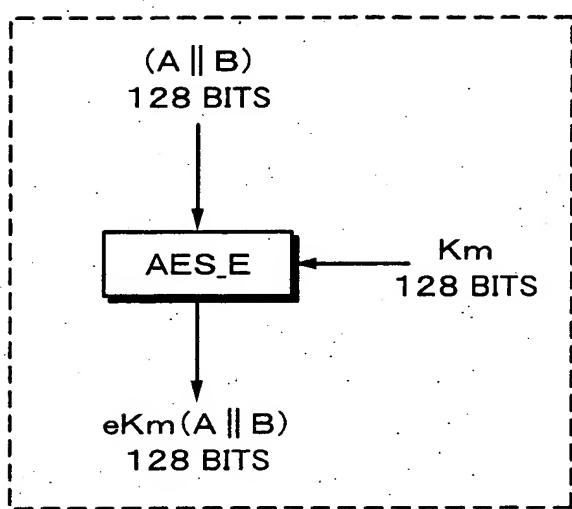


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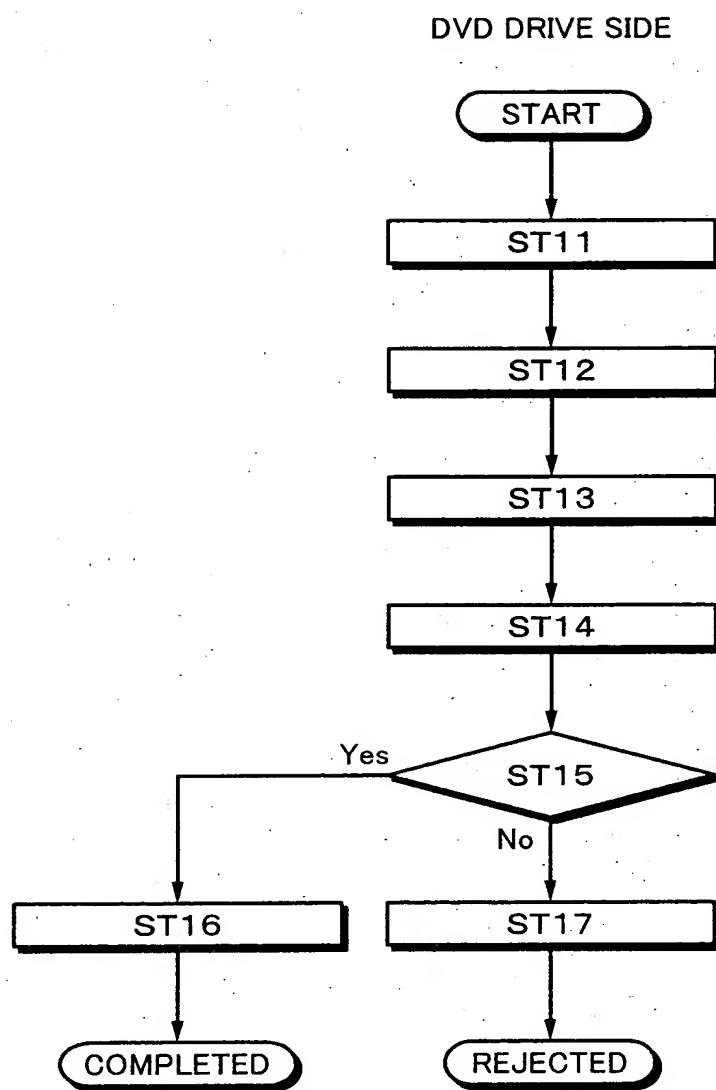


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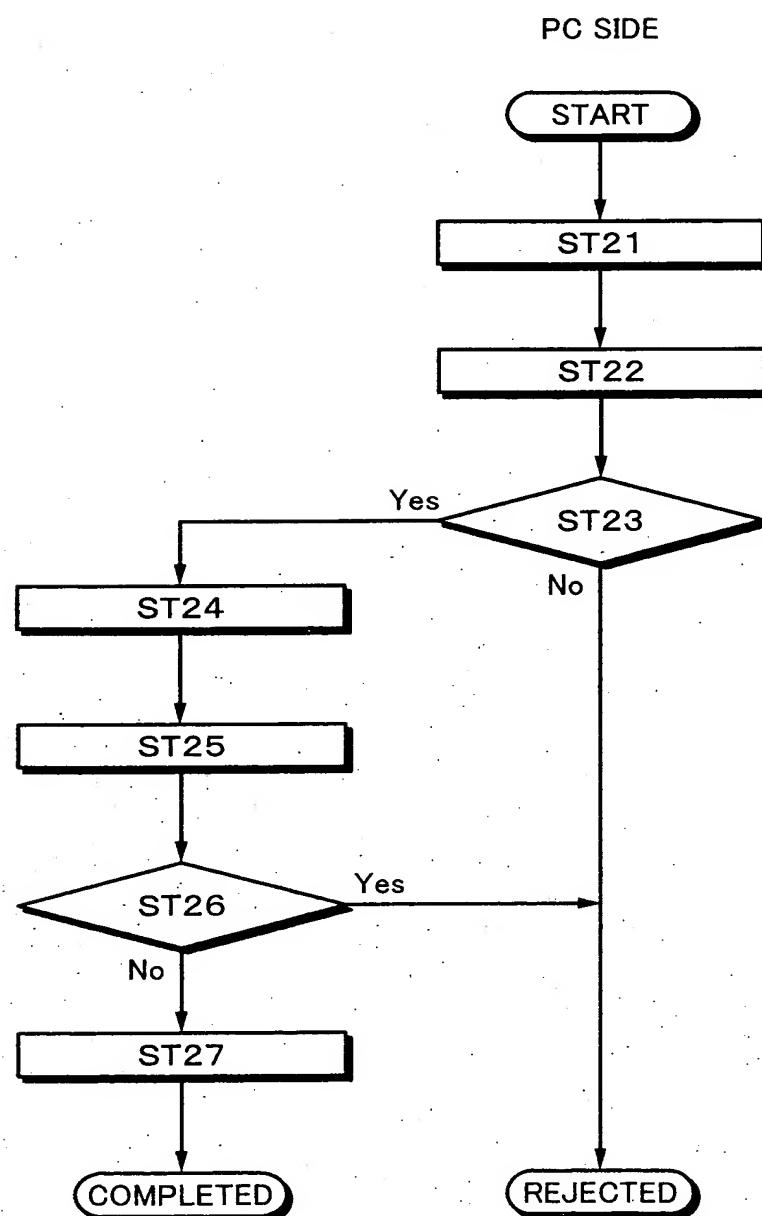


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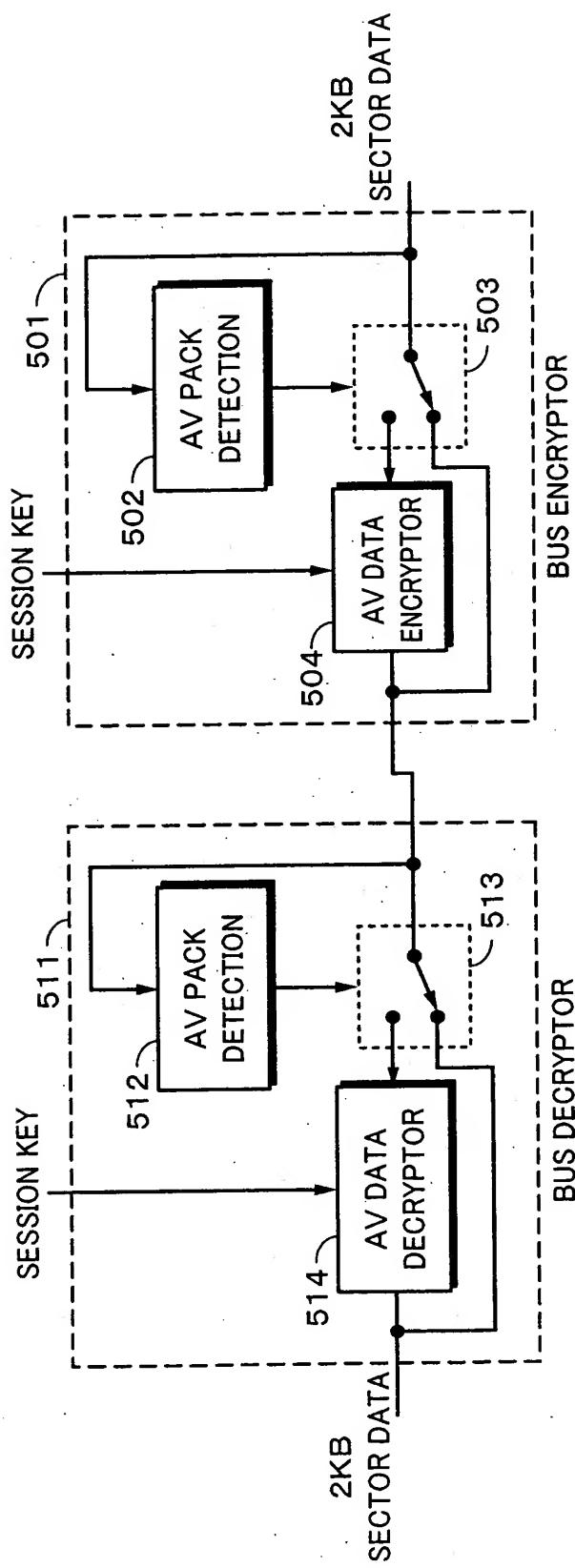


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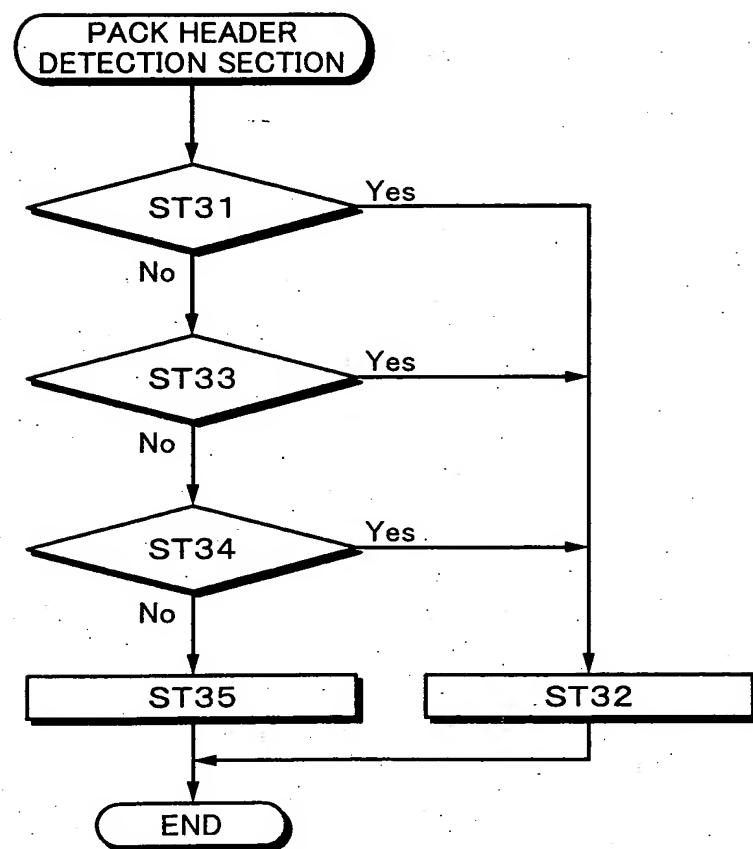


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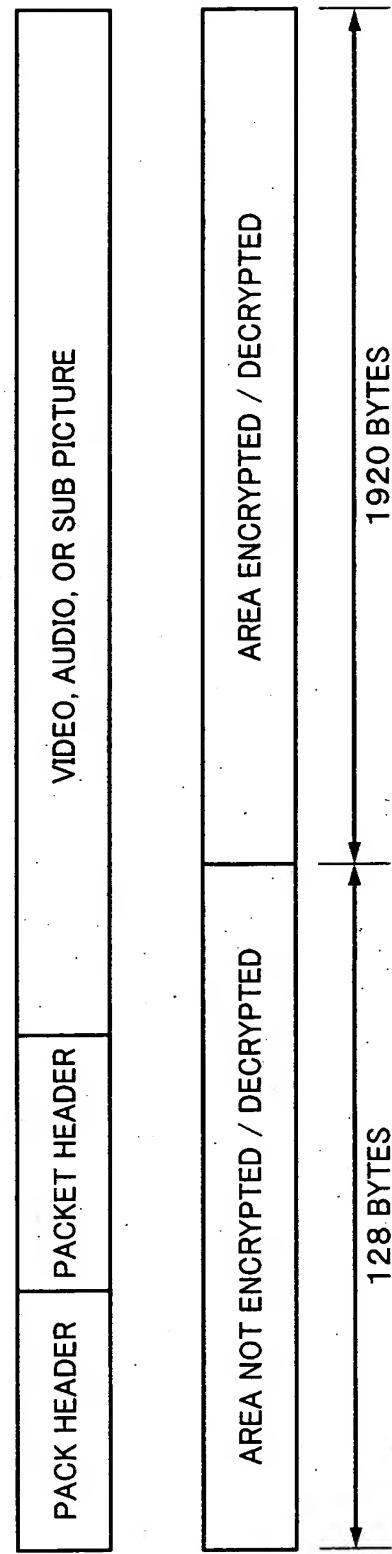
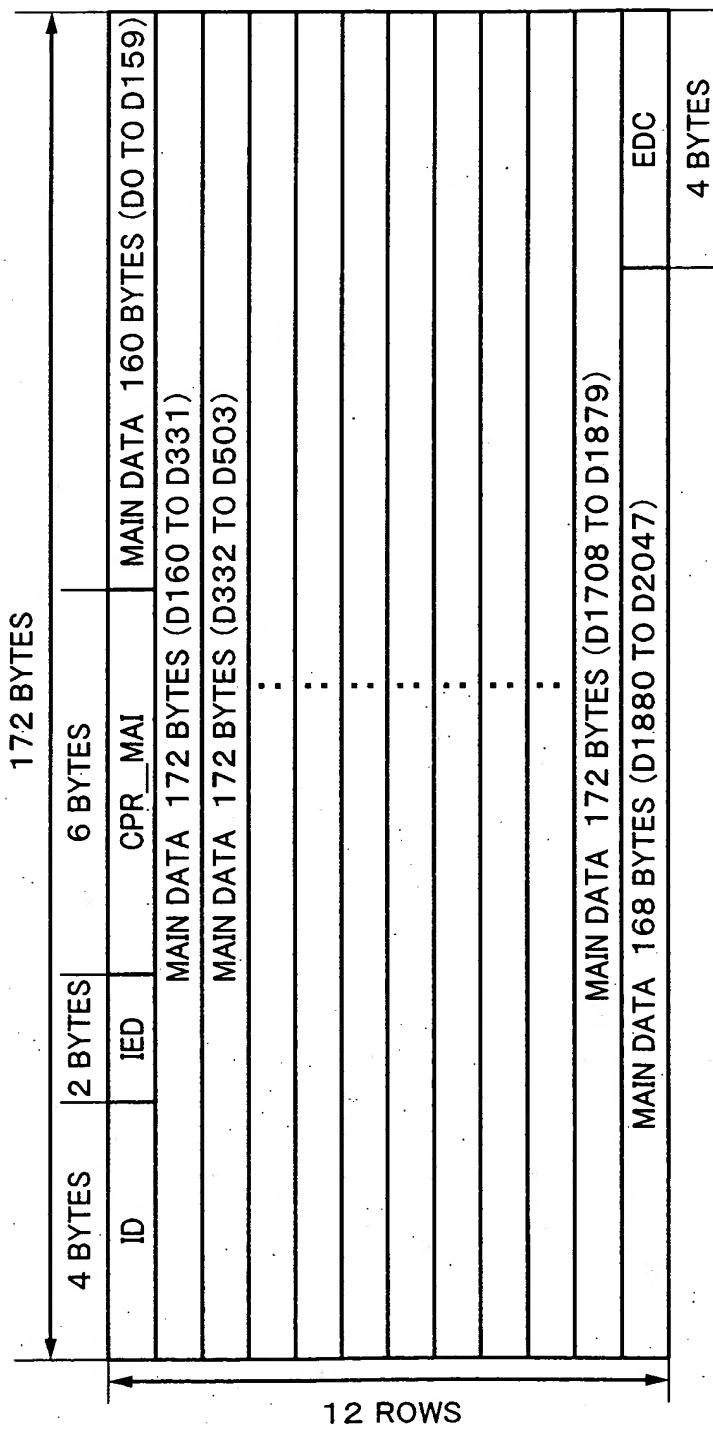


Fig. 38



EXAMPLE OF STRUCTURE OF SECTOR

Fig. 39

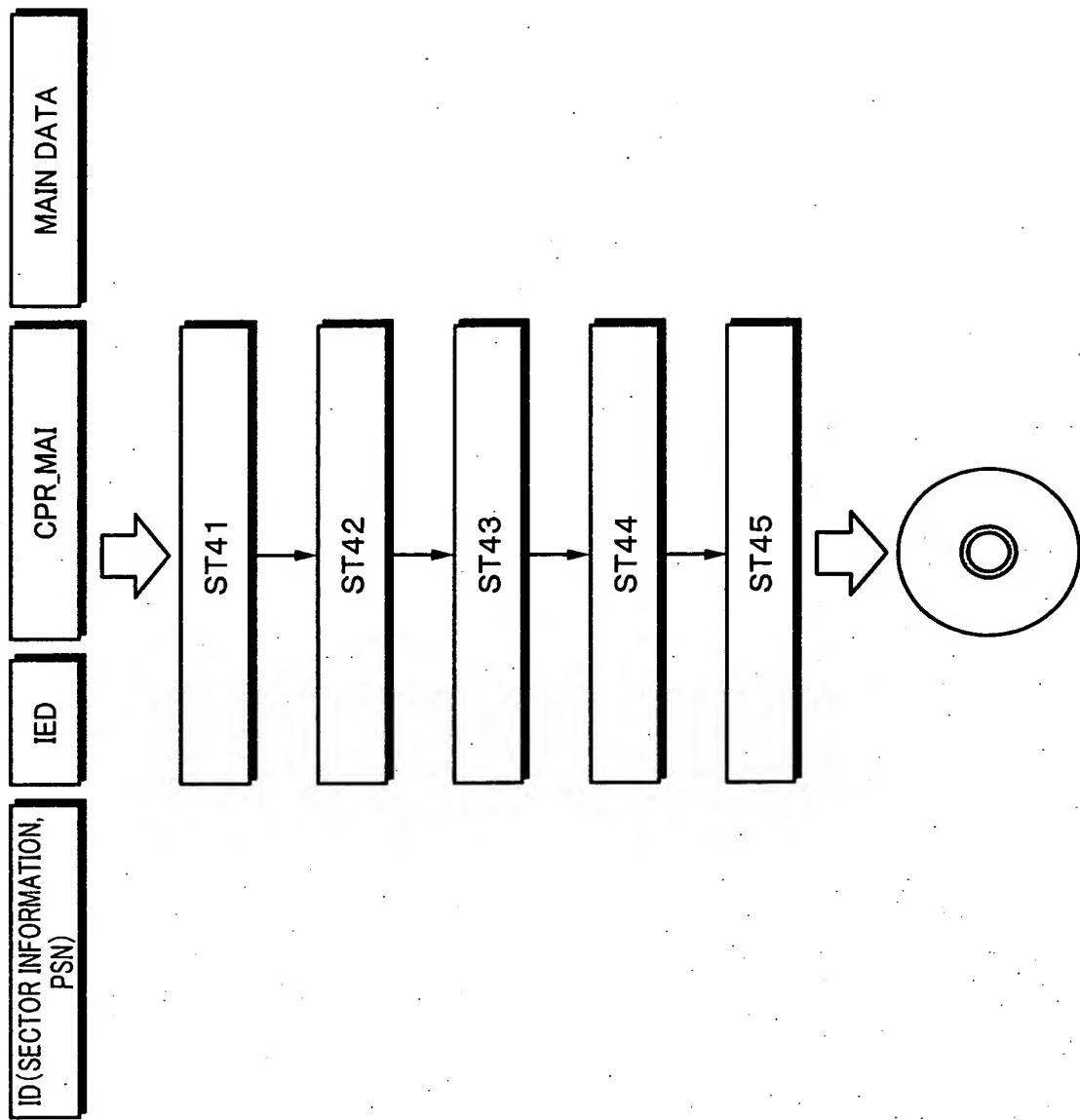


Fig. 40A

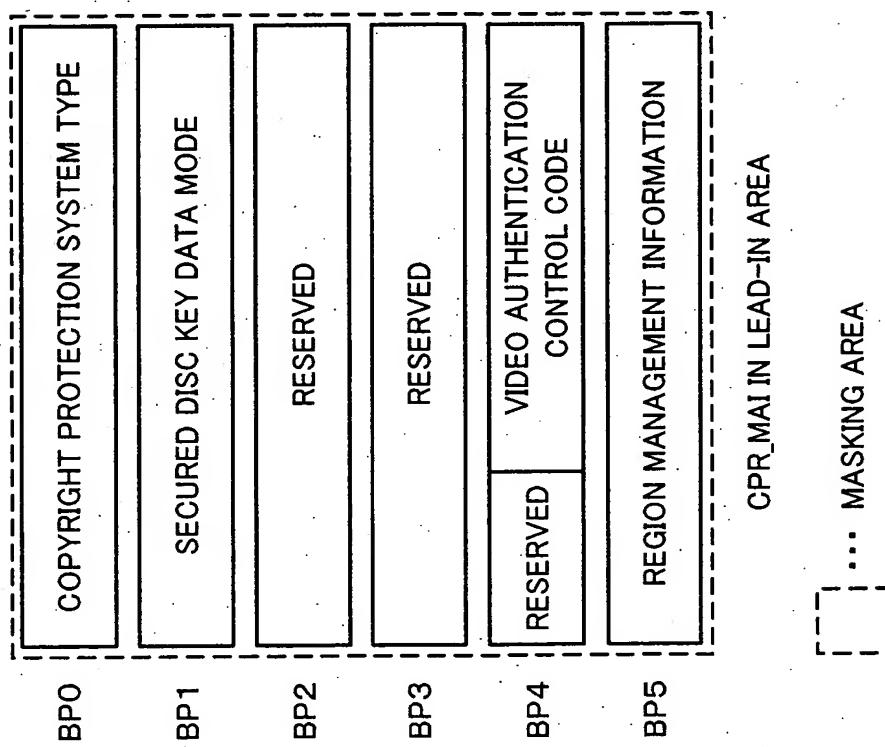


Fig. 40B

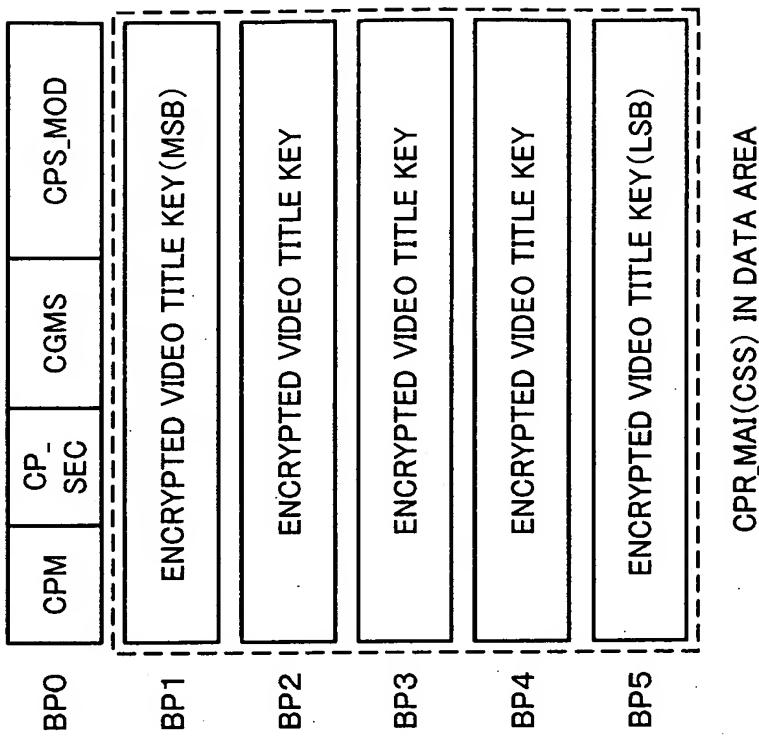


Fig. 41

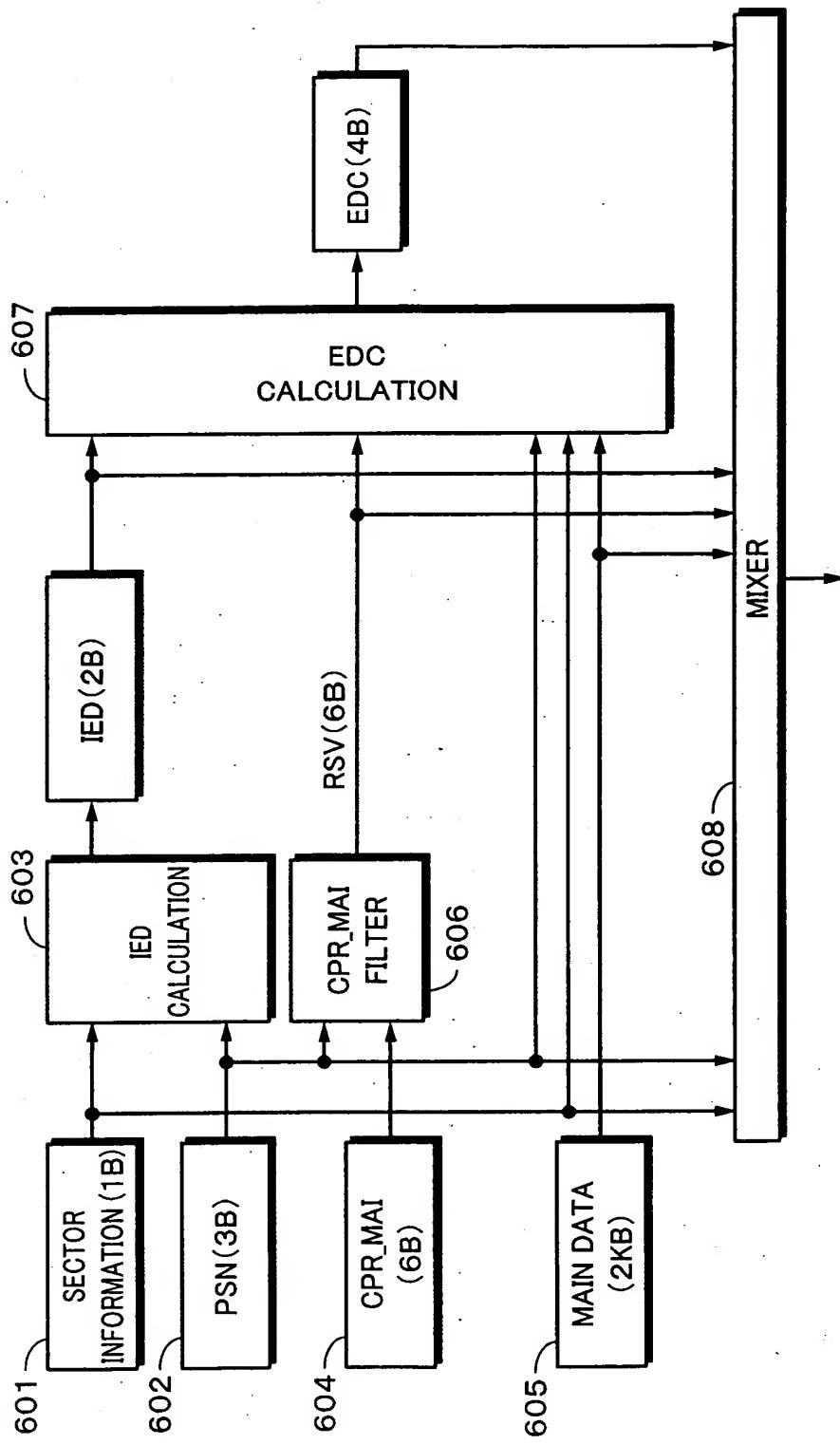


Fig. 42

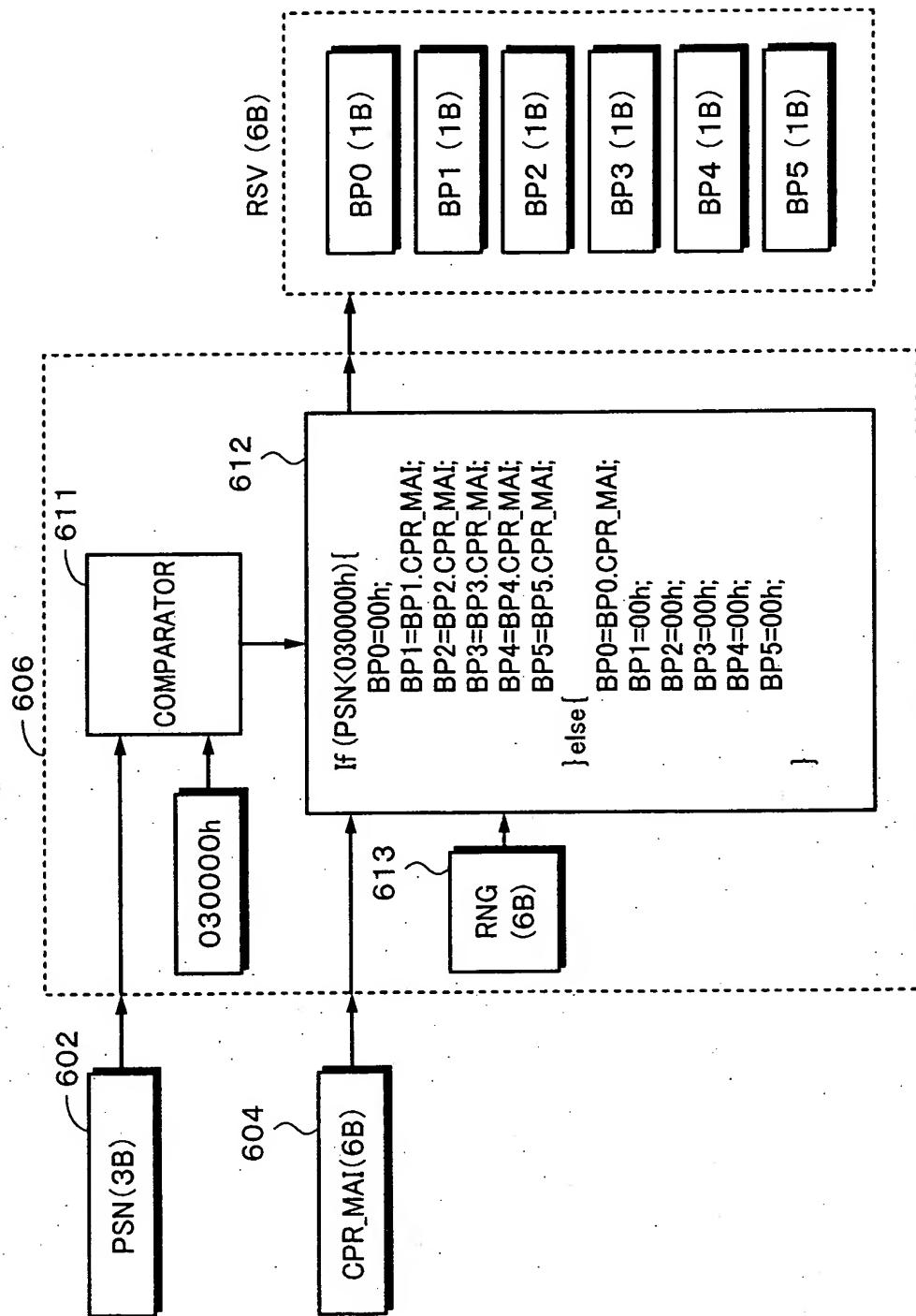


Fig. 43

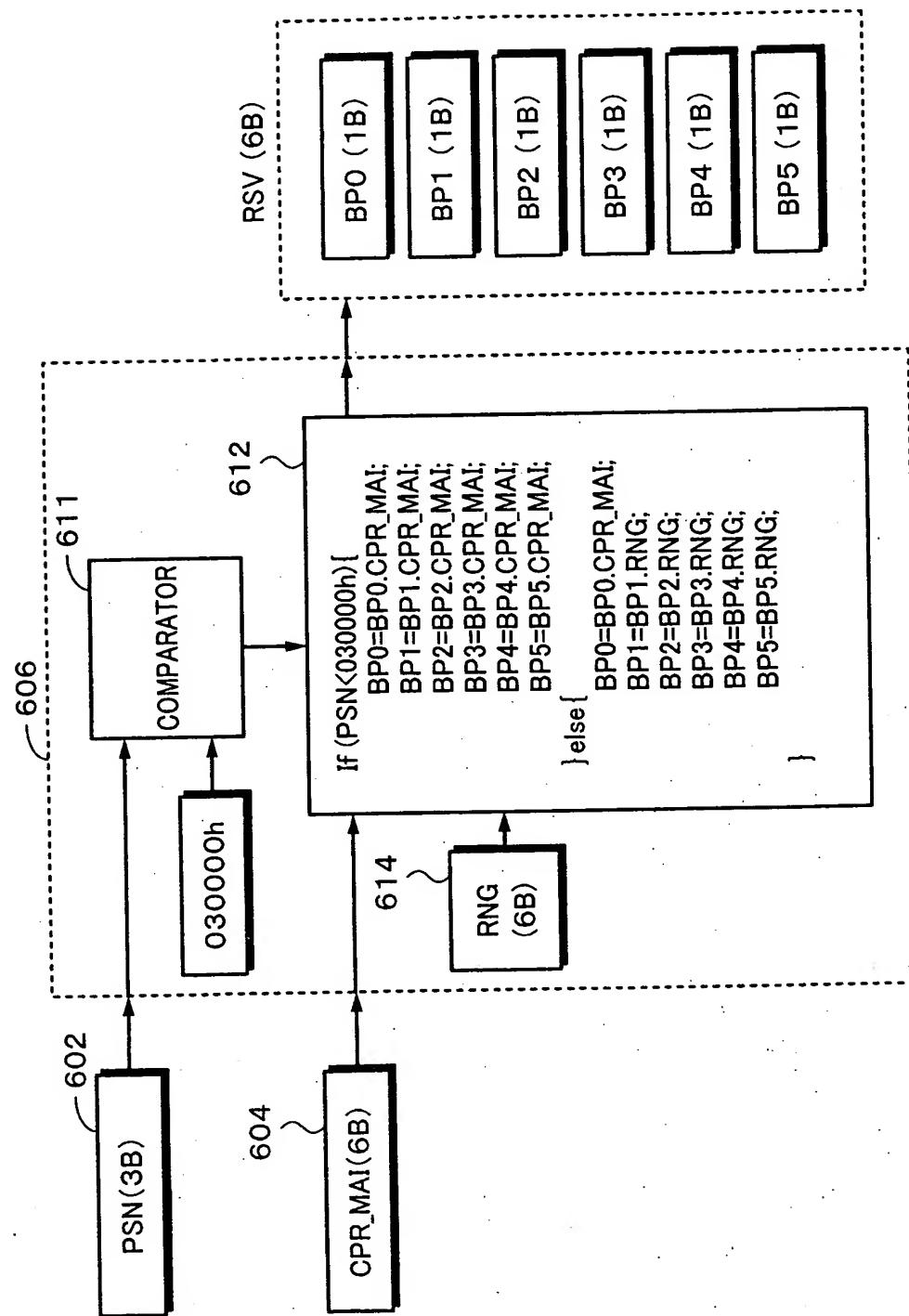


Fig. 44

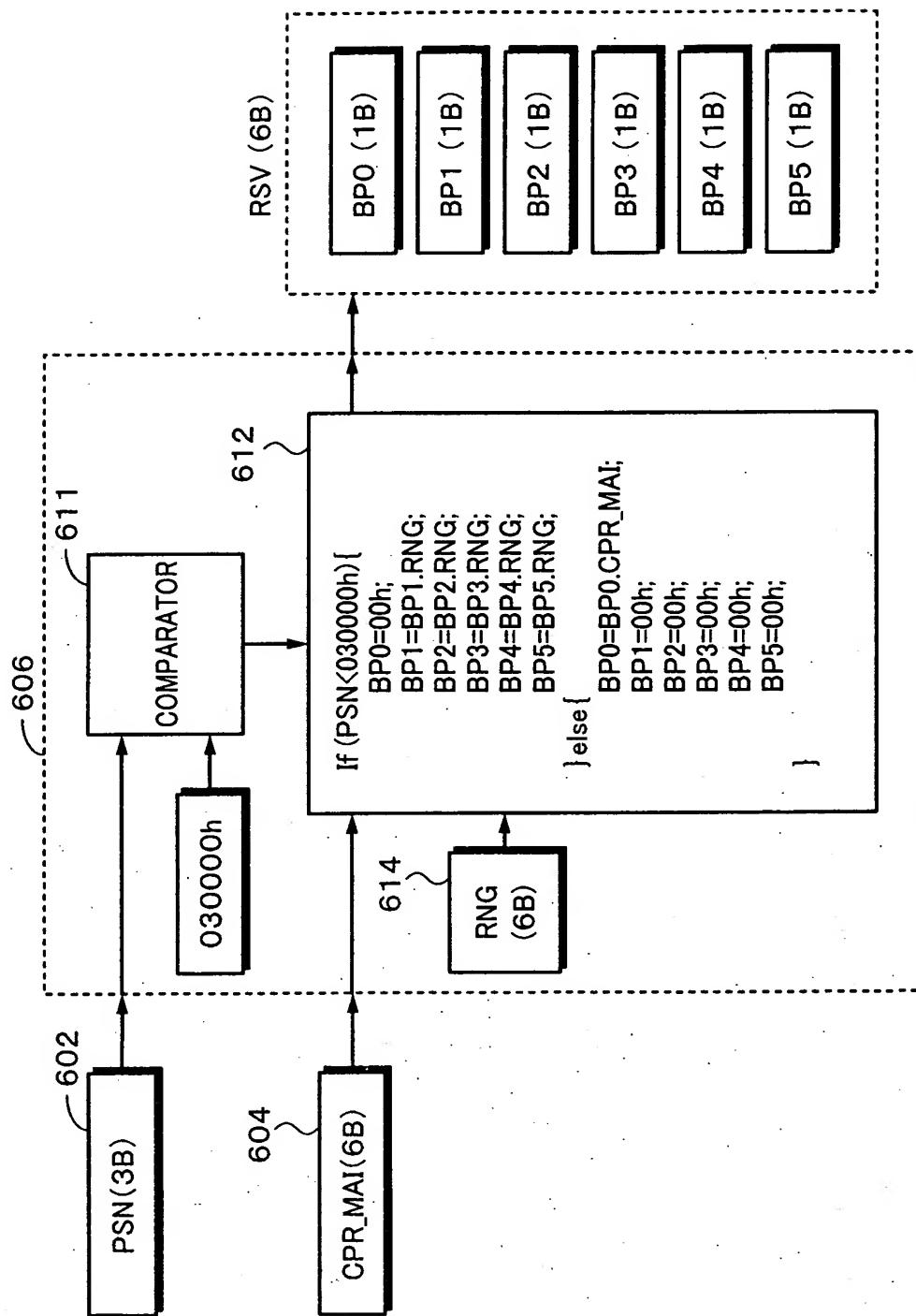


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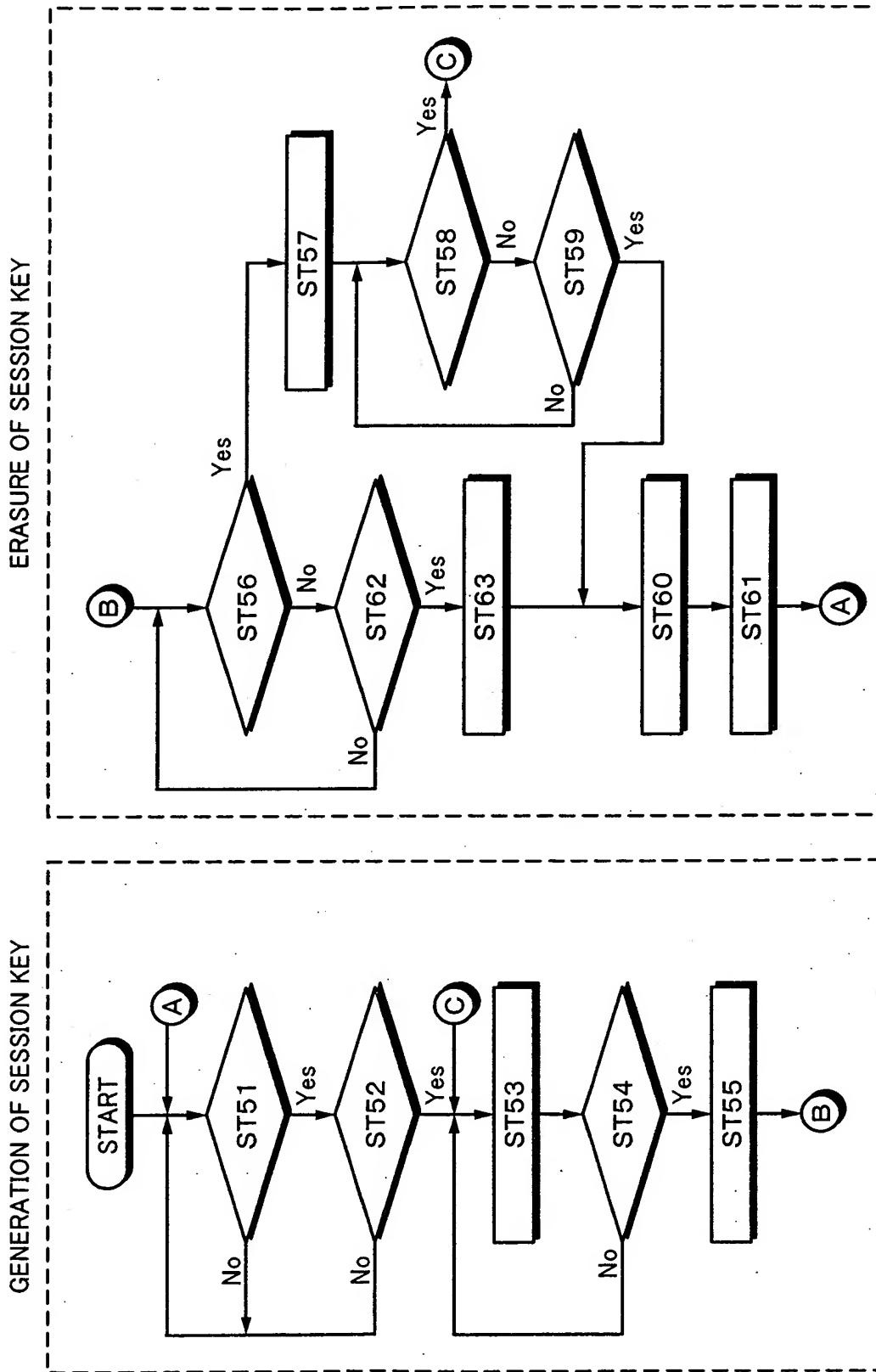
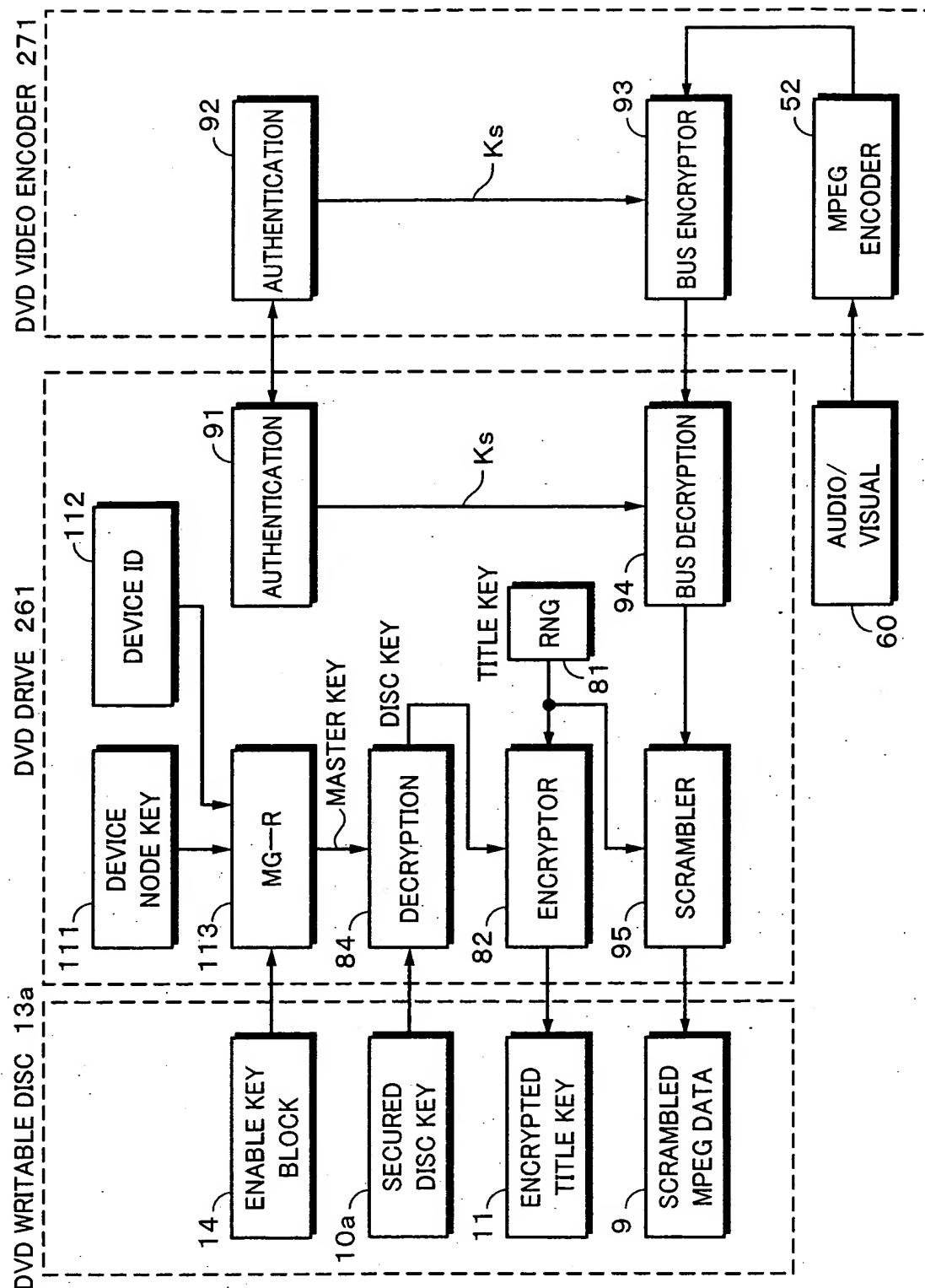


Fig. 46



DESCRIPTION OF REFERENCE NUMERALS

ST101 DETERMINATION OF MEDIUM TYPE
ST102 ROM ?
ST103 DISC TYPE = ROM
ST104 DISC APPLICATION CODE = VIDEO WRITABLE ?
ST105 DISC TYPE = RESERVED
ST106 DISC TYPE = VIDEO WRITABLE

ST111 MUTUAL AUTHENTICATION
ST112 OBTAIN DISC TYPE FROM DRIVE.
ST113 DISC TYPE = ROM ?
ST114 PROHIBIT DATA FROM BEING WRITTEN
ST115 DISC TYPE = VIDEO WRITABLE
ST116 DATA WRITABLE
ST117 VIDEO WRITABLE CORRESPONDING TO CSS/CPRM

ST11 RECEIVE (Rb1, Rb2)
ST12 RETURN (eKm (Ra1 || Rb1), Ra1)
ST13 RETURN (Ra2, Ra3)
ST14 RECEIVE (eKm (Rb2 || Ra2), Rb3)
ST15 SAME MAC ?
ST16 ESTABLISHMENT OF SESSION KEY (eKm (Ra3 || Rb3))
ST17 RETURN (ERROR)

ST21 SEND KEY (Rb1, Rb2)
ST22 REPORT KEY (eKm (Ra1 || Rb1), Ra1)
ST23 SAME MAC ?
ST24 REPORT KEY (Ra2, Ra3)
ST25 SEND KEY (eKm (Rb2 || Ra2), Rb3)
ST26 ERROR ?
ST27 ESTABLISHMENT OF SESSION KEY (eKm (Ra3 || Rb3))

ST31 VIDEO PACK
ST32 ENCRYPT/DECRYPT DATA.
ST33 AUDIO PACK
ST34 SUB PICTURE PACK
ST35 DOES NOT ENCRYPT/DECRYPT DATA.

ST41 ADD EDC.
ST42 SCRAMBLE MAIN DATA.
ST43 ENCODE DATA WITH ECC.
ST44 INTERLEAVE 16 ROWS OF PO.
ST45 MODULATE 26 SYNC FRAMES PER SECTOR.

ST51 HAS DVD+RW/+R DISC BEEN INSERTED ?
ST52 HAS PC APPLICATION BEEN STARTED ?
ST53 MUTUAL AUTHENTICATION AND GENERATION OF SESSION KEY
ST54 COMPLETED ?
ST55 DISABLE CSS KEY WRITE PROHIBITION
ST56 COMPLETION OF PC APPLICATION ?

ST57 ERASE SESSION KEY GENERATED IN PC.
ST58 HAS PC APPLICATION BEEN STARTED ?
ST59 HAS DVD+RW/+R DISC BEEN EJECTED ?
ST60 ERASE SESSION KEY GENERATED IN DRIVE.
ST61 PROHIBIT CSS KEY FROM BEING WRITTEN.

9 SCRAMBLED MPEG DATA
10a, 10b SECURED DISC KEY
11 ENCRYPTED TITLE KEY
13a, 13b WRITABLE DISC
52 MPEG ENCODER
53, 95 SCRAMBLER
56, 78, 84 DECRYPTOR
57, 83 MASTER KEY
60 AUDIO/VISUAL DATA
62, 72 AUTHENTICATION SECTION
63, 76, 85 BUS ENCRYPTOR
66, 73, 77 BUS DECRYPTOR
81, 86 RANDOM NUMBER GENERATOR
82, 87 ENCRYPTOR
101, 102 MASK CONTROL
161, 261 DRIVE
171, 271 PC

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